



Cambridge Isotope Laboratories, Inc.

# 2019-2020 Environmental Contaminant Standards



Otsuka



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## CIL Spotlight

- Polychlorinated Naphthalene (PCN)
- Neonicotinoid Pesticides
- Parabens
- Fipronil
- Perfluorokerosene (PFK)
- Chlorinated Paraffins
- Phthalates, Related Plasticizers and Metabolites
- Dicamba and Metabolites
- Perfluorinated Compounds (PFCs)
- Pyrethroids
- Tobacco Specific Nitrosamines (TSNAs)
- US EPA UCMR 4 Method Standards
- Alternative Halogenated Flame Retardants
- Foodomics
- Chlorate Standards for Food and Water Testing



*Solutions for a greener world*



## Polychlorinated Naphthalene (PCN)

Catalog No.	Description	Amount	Price(¥)
ECN-5577	<b>Mono-Octa PCN Calibration Series CS1-CS5</b>	5 × 0.25 mL in nonane/isooctane	525,000
ECN-5577-CS6	<b>Mono-Octa PCN Calibration Solution (CS6)</b> (not included in ECN-5577)	0.25 mL in nonane/isooctane	113,000

*All concentrations are in ng/mL*

Unlabeled	PCN No.	CS1	CS2	CS3	CS4	CS5	CS6
2-MonoCN	2	0.2	1	5	20	100	500
1,5-DiCN	6	0.2	1	5	20	100	500
1,2,3-TriCN	13	0.2	1	5	20	100	500
1,2,3,4-Tetra CN	27	0.2	1	5	20	100	500
1,2,3,5-TetraCN	28	0.2	1	5	20	100	500
1,3,5,7-TetraCN	42	0.2	1	5	20	100	500
1,4,5,8-TetraCN	46	0.2	1	5	20	100	500
2,3,6,7-TetraCN	48	0.2	1	5	20	100	500
1,2,3,4,5-PentaCN	49	0.2	1	5	20	100	500
1,2,3,4,6-PentaCN	50	0.2	1	5	20	100	500
1,2,3,5,7-PentaCN	52	0.2	1	5	20	100	500
1,2,3,5,8-PentaCN	53	0.2	1	5	20	100	500
1,2,3,4,5,8-HexaCN	65	0.2	1	5	20	100	500
1,2,3,5,6,7-HexaCN	67	0.2	1	5	20	100	500
1,2,3,5,6,8-HexaCN	68	0.2	1	5	20	100	500
1,2,3,5,7,8-HexaCN	69	0.2	1	5	20	100	500
1,2,3,6,7,8-HexaCN	70	0.2	1	5	20	100	500
1,2,4,5,7,8-HexaCN	72	0.2	1	5	20	100	500
1,2,3,4,5,6,7-HeptaCN	73	0.2	1	5	20	100	500
OctaCN	75	0.2	1	5	20	100	500
<b>Cleanup</b>							
2-MonoCN ( <sup>13</sup> C <sub>10</sub> , 99%)	2	10	10	10	10	10	10
1,5-DiCN ( <sup>13</sup> C <sub>10</sub> , 99%)	6	10	10	10	10	10	10
1,2,3-TriCN ( <sup>13</sup> C <sub>10</sub> , 99%)	13	10	10	10	10	10	10
1,3,5,7-TetraCN ( <sup>13</sup> C <sub>10</sub> , 99%)	42	10	10	10	10	10	10
1,2,3,5,7-PentaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	52	10	10	10	10	10	10
1,2,3,4,5,8-HexaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	65	10	10	10	10	10	10
1,2,3,5,6,7-HexaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	67	10	10	10	10	10	10
1,2,3,4,5,6,7-HeptaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	73	10	10	10	10	10	10
OctaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	75	10	10	10	10	10	10
<b>Syringe</b>							
2,5-DiCB (PCB-9) ( <sup>13</sup> C <sub>12</sub> , 99%)		10	10	10	10	10	10
2,2',5,5'-TetraCB (PCB-52) ( <sup>13</sup> C <sub>12</sub> , 99%)		10	10	10	10	10	10
2,2',4,5,5'-PentaCB (PCB-101) ( <sup>13</sup> C <sub>12</sub> , 99%)		10	10	10	10	10	10
2,2',3,4,4',5'-HexaCB (PCB-138) ( <sup>13</sup> C <sub>12</sub> , 98%)		10	10	10	10	10	10
2,2',3,3',4,4',5,5'-OctaCB (PCB-194) ( <sup>13</sup> C <sub>12</sub> , 98%)		10	10	10	10	10	10
<b>Sampling</b>							
1,8-DiCN ( <sup>13</sup> C <sub>10</sub> , 99%)	9	10	10	10	10	10	10
1,2,3,4-TetraCN ( <sup>13</sup> C <sub>10</sub> , 99%)	27	10	10	10	10	10	10

Catalog No.	Description	Amount	Price(¥)																													
ECN-5578	<b>Mono-Octa PCN Cleanup Standard Spiking Solution</b>	1.2 mL in isoctane	345,000																													
	<table border="1"> <thead> <tr> <th>PCN No.</th> <th>ng/mL</th> </tr> </thead> <tbody> <tr> <td>2-MonoCN (<sup>13</sup>C<sub>10</sub>, 99%)</td> <td>2</td> <td>1000</td> </tr> <tr> <td>1,5-DiCN (<sup>13</sup>C<sub>10</sub>, 99%)</td> <td>6</td> <td>1000</td> </tr> <tr> <td>1,2,3-TriCN (<sup>13</sup>C<sub>10</sub>, 99%)</td> <td>13</td> <td>1000</td> </tr> <tr> <td>1,3,5,7-TetraCN (<sup>13</sup>C<sub>10</sub>, 99%)</td> <td>42</td> <td>1000</td> </tr> <tr> <td>1,2,3,5,7-PentaCN (<sup>13</sup>C<sub>10</sub>, 99%)</td> <td>52</td> <td>1000</td> </tr> <tr> <td>1,2,3,4,5,8-HexaCN (<sup>13</sup>C<sub>10</sub>, 99%)</td> <td>65</td> <td>1000</td> </tr> <tr> <td>1,2,3,5,6,7-HexaCN (<sup>13</sup>C<sub>10</sub>, 98%)</td> <td>67</td> <td>1000</td> </tr> <tr> <td>1,2,3,4,5,6,7-HeptaCN (<sup>13</sup>C<sub>10</sub>, 98%)</td> <td>73</td> <td>1000</td> </tr> <tr> <td>OctaCN (<sup>13</sup>C<sub>10</sub>, 99%)</td> <td>75</td> <td>1000</td> </tr> </tbody> </table>	PCN No.	ng/mL	2-MonoCN ( <sup>13</sup> C <sub>10</sub> , 99%)	2	1000	1,5-DiCN ( <sup>13</sup> C <sub>10</sub> , 99%)	6	1000	1,2,3-TriCN ( <sup>13</sup> C <sub>10</sub> , 99%)	13	1000	1,3,5,7-TetraCN ( <sup>13</sup> C <sub>10</sub> , 99%)	42	1000	1,2,3,5,7-PentaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	52	1000	1,2,3,4,5,8-HexaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	65	1000	1,2,3,5,6,7-HexaCN ( <sup>13</sup> C <sub>10</sub> , 98%)	67	1000	1,2,3,4,5,6,7-HeptaCN ( <sup>13</sup> C <sub>10</sub> , 98%)	73	1000	OctaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	75	1000		
PCN No.	ng/mL																															
2-MonoCN ( <sup>13</sup> C <sub>10</sub> , 99%)	2	1000																														
1,5-DiCN ( <sup>13</sup> C <sub>10</sub> , 99%)	6	1000																														
1,2,3-TriCN ( <sup>13</sup> C <sub>10</sub> , 99%)	13	1000																														
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1,2,3,5,7-PentaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	52	1000																														
1,2,3,4,5,8-HexaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	65	1000																														
1,2,3,5,6,7-HexaCN ( <sup>13</sup> C <sub>10</sub> , 98%)	67	1000																														
1,2,3,4,5,6,7-HeptaCN ( <sup>13</sup> C <sub>10</sub> , 98%)	73	1000																														
OctaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	75	1000																														

Catalog No	Description	Amount	Price(¥)										
EC-4979-A	<b>Mono-Octa PCN Syringe Standard Spiking Solution</b>	1.2 mL in nonane	179,000										
	<table border="1"> <tbody> <tr> <td>2,5-DiCB (PCB-9) (<sup>13</sup>C<sub>12</sub>, 99%)</td> <td>1000</td> </tr> <tr> <td>2,2',5,5'-TetraCB (PCB-52) (<sup>13</sup>C<sub>12</sub>, 99%)</td> <td>1000</td> </tr> <tr> <td>2,2',4,5,5'-PentaCB (PCB-101) (<sup>13</sup>C<sub>12</sub>, 99%)</td> <td>1000</td> </tr> <tr> <td>2,2',3,4,4',5'-HexaCB (PCB-138) (<sup>13</sup>C<sub>12</sub>, 98%)</td> <td>1000</td> </tr> <tr> <td>2,2',3,3',4,4',5,5'-OctaCB (PCB-194) (<sup>13</sup>C<sub>12</sub>, 98%)</td> <td>1000</td> </tr> </tbody> </table>	2,5-DiCB (PCB-9) ( <sup>13</sup> C <sub>12</sub> , 99%)	1000	2,2',5,5'-TetraCB (PCB-52) ( <sup>13</sup> C <sub>12</sub> , 99%)	1000	2,2',4,5,5'-PentaCB (PCB-101) ( <sup>13</sup> C <sub>12</sub> , 99%)	1000	2,2',3,4,4',5'-HexaCB (PCB-138) ( <sup>13</sup> C <sub>12</sub> , 98%)	1000	2,2',3,3',4,4',5,5'-OctaCB (PCB-194) ( <sup>13</sup> C <sub>12</sub> , 98%)	1000		
2,5-DiCB (PCB-9) ( <sup>13</sup> C <sub>12</sub> , 99%)	1000												
2,2',5,5'-TetraCB (PCB-52) ( <sup>13</sup> C <sub>12</sub> , 99%)	1000												
2,2',4,5,5'-PentaCB (PCB-101) ( <sup>13</sup> C <sub>12</sub> , 99%)	1000												
2,2',3,4,4',5'-HexaCB (PCB-138) ( <sup>13</sup> C <sub>12</sub> , 98%)	1000												
2,2',3,3',4,4',5,5'-OctaCB (PCB-194) ( <sup>13</sup> C <sub>12</sub> , 98%)	1000												

Catalog No	Description	Amount	Price(¥)						
ECN-5603	<b>Mono-Octa PCN Sampling Spike Solution</b>	1.2 mL in isoctane	113,000						
	<table border="1"> <tbody> <tr> <td>1,8-DiCN (<sup>13</sup>C<sub>10</sub>, 99%)</td> <td>9</td> <td>1000</td> </tr> <tr> <td>1,2,3,4-TetraCN (<sup>13</sup>C<sub>10</sub>, 99%)</td> <td>27</td> <td>1000</td> </tr> </tbody> </table>	1,8-DiCN ( <sup>13</sup> C <sub>10</sub> , 99%)	9	1000	1,2,3,4-TetraCN ( <sup>13</sup> C <sub>10</sub> , 99%)	27	1000		
1,8-DiCN ( <sup>13</sup> C <sub>10</sub> , 99%)	9	1000							
1,2,3,4-TetraCN ( <sup>13</sup> C <sub>10</sub> , 99%)	27	1000							

Catalog No	Description	Amount	Price(¥)																																																												
ECN-5580	<b>Mono-Octa PCN Native Standard Spiking Solution</b>	1.2 mL in nonane	239,000																																																												
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## Labeled Polychlorinated Naphthalene (PCN) Standards

Catalog No.	Description	PCN No.	Concentration	Amount	Price(¥)
ECN-5217	2-MonoCN ( <sup>13</sup> C <sub>10</sub> , 99%)	2	10 µg/mL in isooctane	1.2 mL	135,000
DLM-2005	2-MonoCN (D <sub>7</sub> , 98%)	2	100 µg/mL in nonane	1.2 mL	68,000
ECN-5520	1,5-DiCN ( <sup>13</sup> C <sub>10</sub> , 99%)	6	10 µg/mL in isooctane	1.2 mL	135,000
ECN-5602	1,8-DiCN ( <sup>13</sup> C <sub>10</sub> , 99%)	9	10 µg/mL in isooctane	1.2 mL	135,000
ECN-5575	1,2,3-TriCN ( <sup>13</sup> C <sub>10</sub> , 99%)	13	10 µg/mL in isooctane	1.2 mL	143,000
ECN-5240	1,2,3,4-TetraCN ( <sup>13</sup> C <sub>10</sub> , 99%)	27	10 µg/mL in isooctane	1.2 mL	135,000
ECN-5241	1,3,5,7-TetraCN ( <sup>13</sup> C <sub>10</sub> , 99%)	42	10 µg/mL in isooctane	1.2 mL	135,000
ECN-5250	1,2,3,5,7-PentaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	52	10 µg/mL in isooctane	1.2 mL	135,000
ECN-5260	1,2,3,4,5,7-HexaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	64	10 µg/mL in isooctane	1.2 mL	135,000
ECN-5267	1,2,3,4,5,8-HexaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	65	10 µg/mL in isooctane	1.2 mL	149,000
ECN-5261-A	1,2,3,5,6,7-HexaCN ( <sup>13</sup> C <sub>10</sub> , 98%)	67	10 µg/mL in isooctane	1.2 mL	149,000
ECN-5270-A	1,2,3,4,5,6,7-HeptaCN ( <sup>13</sup> C <sub>10</sub> , 98%)	73	10 µg/mL in isooctane	1.2 mL	149,000
ECN-5280	OctaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	75	10 µg/mL in isooctane	1.2 mL	135,000

## Unlabeled Polychlorinated Naphthalene (PCN) Standards

Catalog No.	Description	PCN No.	Concentration	Amount	Price(¥)
ECN-2610	1-MonoCN	1	100 µg/mL in nonane	1 mL	38,000
ECN-2611	2-MonoCN	2	100 µg/mL in nonane	1 mL	38,000
ECN-2620	1,2-DiCN	3	100 µg/mL in nonane	1 mL	75,000
ECN-2621	1,4-DiCN	5	100 µg/mL in nonane	1 mL	75,000
ECN-2622	1,5-DiCN	6	100 µg/mL in nonane	1 mL	75,000
ECN-2623	1,8-DiCN	9	100 µg/mL in nonane	1 mL	75,000
ECN-2624	2,3-DiCN	10	100 µg/mL in nonane	1 mL	75,000
ECN-2630	1,2,3-TriCN	13	100 µg/mL in nonane	1 mL	90,000
ECN-2632	1,2,4-TriCN	14	100 µg/mL in nonane	1 mL	90,000
ECN-2631	1,4,6-TriCN	24	100 µg/mL in nonane	1 mL	90,000
ECN-2640	1,2,3,4-TetraCN	27	100 µg/mL in nonane	1 mL	90,000
ECN-2645	1,2,3,5-TetraCN	28	100 µg/mL in nonane	1 mL	90,000
ECN-2646	1,2,3,8-TetraCN	31	100 µg/mL in nonane	1 mL	90,000
ECN-2642	1,2,5,6-TetraCN	36	100 µg/mL in nonane	1 mL	90,000
ECN-2647	1,2,7,8-TetraCN	41	100 µg/mL in nonane	1 mL	90,000
ECN-2641	1,3,5,7-TetraCN	42	100 µg/mL in nonane	1 mL	90,000
ECN-2644	1,4,5,8-TetraCN	46	100 µg/mL in nonane	1 mL	90,000
ECN-2643	2,3,6,7-TetraCN	48	100 µg/mL in nonane	1 mL	90,000
ECN-2654	1,2,3,4,5-PentaCN	49	100 µg/mL in nonane	1 mL	105,000
ECN-2652	1,2,3,4,6-PentaCN	50	100 µg/mL in nonane	1 mL	105,000
ECN-2651	1,2,3,5,7-PentaCN	52	100 µg/mL in nonane	1 mL	105,000
ECN-2650	1,2,3,5,8-PentaCN	53	100 µg/mL in nonane	1 mL	105,000
ECN-2653	1,2,3,6,7-PentaCN	54	100 µg/mL in nonane	1 mL	105,000
ECN-2656	1,2,4,5,8-PentaCN	59	100 µg/mL in nonane	1 mL	105,000
ECN-2655	1,2,4,6,7-PentaCN	60	100 µg/mL in nonane	1 mL	105,000
ECN-2657	1,2,4,7,8-PentaCN	62	100 µg/mL in nonane	1 mL	105,000
ECN-2668	1,2,3,4,5,6-HexaCN	63	100 µg/mL in nonane	1 mL	105,000
ECN-2669	1,2,3,4,5,7-HexaCN	64	100 µg/mL in nonane	1 mL	105,000
ECN-2667	1,2,3,4,5,8-HexaCN	65	100 µg/mL in nonane	1 mL	105,000
ECN-2660	1,2,3,4,6,7-HexaCN	66	100 µg/mL in nonane	1 mL	105,000
ECN-2663	1,2,3,5,6,7-HexaCN	67	100 µg/mL in nonane	1 mL	105,000
ECN-2664	1,2,3,5,6,8-HexaCN	68	100 µg/mL in nonane	1 mL	105,000
ECN-2662	1,2,3,5,7,8-HexaCN	69	100 µg/mL in nonane	1 mL	105,000
ECN-2665	1,2,3,6,7,8-HexaCN	70	100 µg/mL in nonane	1 mL	105,000
ECN-2666	1,2,4,5,6,8-HexaCN	71	100 µg/mL in nonane	1 mL	105,000
ECN-2661	1,2,4,5,7,8-HexaCN	72	100 µg/mL in nonane	1 mL	105,000
ECN-2670	1,2,3,4,5,6,7-HeptaCN	73	100 µg/mL in nonane	1 mL	105,000
ECN-2671	1,2,3,4,5,6,8-HeptaCN	74	100 µg/mL in nonane	1 mL	105,000
ECN-2680	OctaCN	75	100 µg/mL in nonane	1 mL	38,000



## Neonicotinoid Pesticides

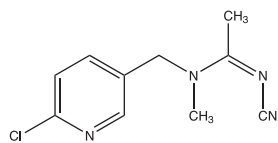
### Featured Products

Catalog No	Description	Concentration	Amount	Price(¥)
CLM-9653-1.2	Acetamiprid (pyridylmethyl- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in methanol	1.2 mL	149,000
ULM-9734-1.2	Acetamiprid (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CLM-9598-1.2	6-Chloronicotinic acid ( <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	149,000
ULM-9604-1.2	6-Chloronicotinic acid (unlabeled)	100 µg/mL in MTBE	1.2 mL	29,000
CNLM-9940-1.2	Clothianidin (methylene- <sup>13</sup> C, 99%; thiazole- <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N, 98%)	100 µg/mL in methanol	1.2 mL	149,000
ULM-9941-1.2	Clothianidin (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CLM-9594-1.2	Dinotefuran (furylmethyl- <sup>13</sup> C <sub>5</sub> , 99%)	100 µg/mL in methanol	1.2 mL	149,000
ULM-9732-1.2	Dinotefuran (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
DLM-8512-1.2	Imidacloprid (4,4,5,5-D <sub>4</sub> , 98%)	100 µg/mL in methanol	1.2 mL	113,000
ULM-8513-1.2	Imidacloprid (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CNLM-10545-1.2	Nitenpyram (methyl- <sup>13</sup> C, ethyl- <sup>13</sup> C <sub>2</sub> , 99%; ethenediamine- <sup>15</sup> N <sub>2</sub> , 98%)	100 µg/mL in methanol	1.2 mL	135,000
ULM-10670-1.2	Nitenpyram (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CNLM-9869-1.2	Sulfoxaflor (cyano- <sup>13</sup> C, 99%; cyano- <sup>15</sup> N, imine- <sup>15</sup> N, 98%)	100 µg/mL in methanol	1.2 mL	149,000
ULM-9870-1.2	Sulfoxaflor (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CLM-9690-1.2	3-Tetrahydrofuroic acid ( <sup>13</sup> C <sub>5</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	135,000
ULM-9691-1.2	3-Tetrahydrofuroic acid (unlabeled)	100 µg/mL in MTBE	1.2 mL	29,000
CLM-9652-1.2	Thiacloprid (pyridylmethyl- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in methanol	1.2 mL	149,000
ULM-9733-1.2	Thiacloprid (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CNLM-9860-1.2	Thiamethoxam (methylene- <sup>13</sup> C, 99%; thiazole- <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N, 98%)	100 µg/mL in methanol	1.2 mL	149,000
ULM-9939-1.2	Thiamethoxam (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000

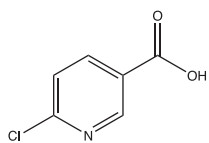
### Related Products

Catalog No	Description	Concentration	Amount	Price(¥)
CNLM-9636-MT-1.2	Fipronil (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	100 µg/mL in MTBE	1.2 mL	143,000
ULM-9635-MT-1.2	Fipronil (unlabeled)	100 µg/mL in MTBE	1.2 mL	29,000
CNLM-9647-1.2	Fipronil desulfinyl (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	100 µg/mL in methanol	1.2 mL	143,000
ULM-9646-1.2	Fipronil desulfinyl (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CNLM-9650-1.2	Fipronil detrifluoromethyl sulfinyl ( <sup>13</sup> C <sub>4</sub> , 99%; <sup>15</sup> N <sub>2</sub> , 98%)	100 µg/mL in methanol	1.2 mL	143,000
ULM-9649-1.2	Fipronil detrifluoromethyl sulfinyl (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CNLM-9645-1.2	Fipronil sulfide (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	100 µg/mL in methanol	1.2 mL	143,000
ULM-9644-1.2	Fipronil sulfide (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CNLM-9643-1.2	Fipronil sulfone (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	100 µg/mL in methanol	1.2 mL	143,000
ULM-9642-1.2	Fipronil sulfone (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000

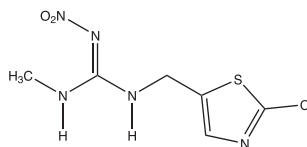




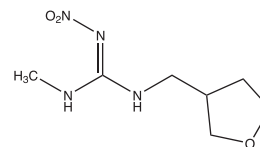
**Acetamiprid**



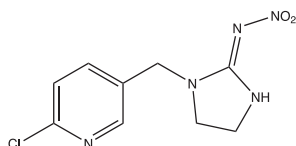
**6-Chloronicotinic acid**



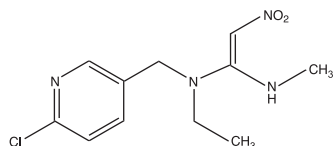
**Clothianidin**



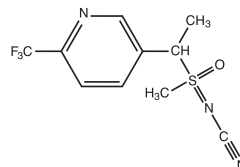
**Dinotefuran**



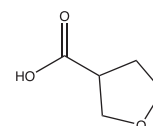
**Imidacloprid**



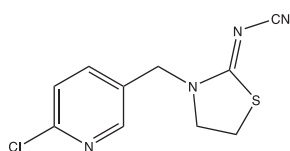
**Nitenpyram**



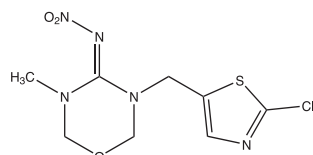
**Sulfoxaflor**



**3-Tetrahydrofuroic acid**



**Thiadoprid**



**Thiamethoxam**



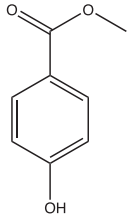
## Parabens

### Featured Products

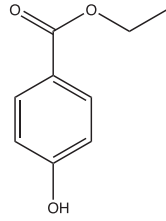
Catalog No.	Description	Concentration	Amount	Price(¥)
CLM-8249-1.2	Methyl paraben (methyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	1 mg/mL in methanol	1.2 mL	105,000
ULM-8250-1.2	Methyl paraben (methyl 4-hydroxybenzoate) (unlabeled)	1 mg/mL in methanol	1.2 mL	29,000
CLM-9761-1.2	Ethyl paraben (ethyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	1 mg/mL in methanol	1.2 mL	113,000
ULM-9760-1.2	Ethyl paraben (ethyl 4-hydroxybenzoate) (unlabeled)	1 mg/mL in methanol	1.2 mL	29,000
CLM-9763-1.2	<i>n</i> -Propyl paraben ( <i>n</i> -propyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	1 mg/mL in methanol	1.2 mL	119,000
ULM-9762-1.2	<i>n</i> -Propyl paraben ( <i>n</i> -propyl 4-hydroxybenzoate) (unlabeled)	1 mg/mL in methanol	1.2 mL	29,000
CLM-9845-1.2	Isopropyl paraben (isopropyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	1 mg/mL in methanol	1.2 mL	119,000
ULM-9846-1.2	Isopropyl paraben (isopropyl 4-hydroxybenzoate) (unlabeled)	1 mg/mL in methanol	1.2 mL	29,000
CLM-8285-1.2	<i>n</i> -Butyl paraben ( <i>n</i> -butyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	1 mg/mL in methanol	1.2 mL	149,000
ULM-8287-1.2	<i>n</i> -Butyl paraben ( <i>n</i> -butyl 4-hydroxybenzoate) (unlabeled)	1 mg/mL in methanol	1.2 mL	29,000
CLM-9847-1.2	Isobutyl paraben (isobutyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	1 mg/mL in methanol	1.2 mL	149,000
ULM-9848-1.2	Isobutyl paraben (isobutyl 4-hydroxybenzoate) (unlabeled)	1 mg/mL in methanol	1.2 mL	29,000
CLM-10450-1.2	<i>n</i> -Pentyl paraben ( <i>n</i> -pentyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	1 mg/mL in methanol	1.2 mL	119,000
ULM-10441-1.2	<i>n</i> -Pentyl paraben ( <i>n</i> -pentyl 4-hydroxybenzoate) (unlabeled)	1 mg/mL in methanol	1.2 mL	29,000
CLM-9849-1.2	Benzyl paraben (benzyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	1 mg/mL in methanol	1.2 mL	135,000
ULM-9850-1.2	Benzyl paraben (benzyl 4-hydroxybenzoate) (unlabeled)	1 mg/mL in methanol	1.2 mL	29,000
CLM-10451-1.2	<i>n</i> -Heptyl paraben ( <i>n</i> -heptyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	1 mg/mL in methanol	1.2 mL	119,000
ULM-10442-1.2	<i>n</i> -Heptyl paraben ( <i>n</i> -heptyl 4-hydroxybenzoate) (unlabeled)	1 mg/mL in methanol	1.2 mL	29,000

### Related Products

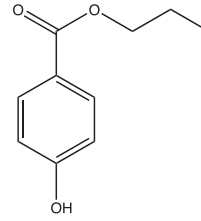
Catalog No.	Description	Concentration	Amount	Price(¥)
CLM-4745-1.2	4-Hydroxybenzoic acid (ring- <sup>13</sup> C <sub>6</sub> , 99%)	1 mg/mL in methanol	1.2 mL	98,000
ULM-8251-1.2	4-Hydroxybenzoic acid (unlabeled)	1 mg/mL in methanol	1.2 mL	29,000



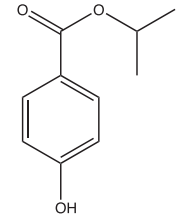
**Methyl paraben**  
(methyl 4-hydroxybenzoate)



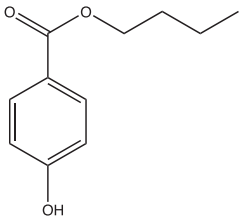
**Ethyl paraben**  
(ethyl 4-hydroxybenzoate)



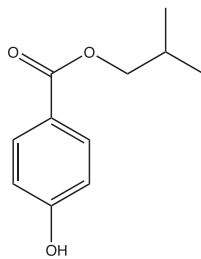
**n-Propyl paraben**  
(n-propyl 4-hydroxybenzoate)



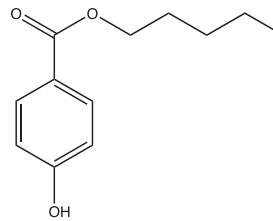
**Isopropyl paraben**  
(isopropyl 4-hydroxybenzoate)



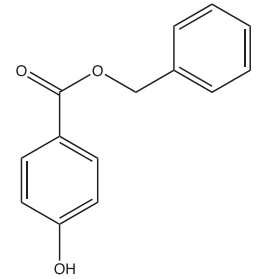
**n-Butyl paraben**  
(n-butyl 4-hydroxybenzoate)



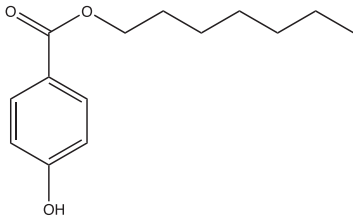
**Isobutyl paraben**  
(isobutyl 4-hydroxybenzoate)



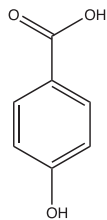
**n-Pentyl paraben**  
(n-pentyl 4-hydroxybenzoate)



**Benzyl paraben**  
(benzyl 4-hydroxybenzoate)



**n-Heptyl paraben**  
(n-heptyl 4-hydroxybenzoate)



**4-Hydroxybenzoic acid**





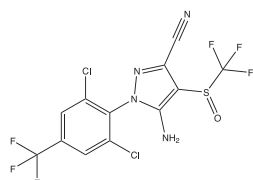
CIL

Cambridge Isotope Laboratories, Inc.  
isotope.com

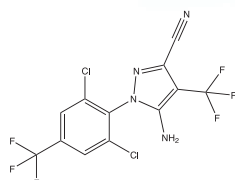
CIL Spotlight

ENVIRONMENTAL CONTAMINANT STANDARDS

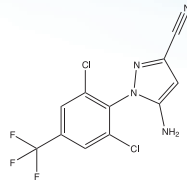
# Fipronil



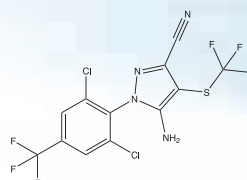
Fipronil



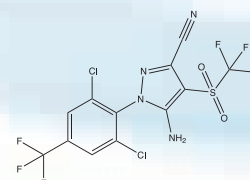
Fipronil desulfanyl



Fipronil detri-fluoromethyl sulfanyl



Fipronil sulfide



Fipronil sulfone

## Featured Products

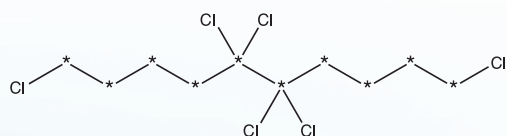
Catalog No.	Description	Concentration	Amount	Price (¥)
CNLM-9636-MT-1.2	Fipronil (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	100 µg/mL in MTBE	1.2 mL	143,000
ULM-9635-MT-1.2	Fipronil (unlabeled)	100 µg/mL in MTBE	1.2 mL	29,000
CNLM-9647-1.2	Fipronil desulfanyl (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	100 µg/mL in methanol	1.2 mL	143,000
ULM-9646-1.2	Fipronil desulfanyl (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CNLM-9650-1.2	Fipronil detri-fluoromethyl sulfanyl ( <sup>13</sup> C <sub>4</sub> , 99%; <sup>15</sup> N <sub>2</sub> , 98%)	100 µg/mL in methanol	1.2 mL	143,000
ULM-9649-1.2	Fipronil detri-fluoromethyl sulfanyl (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CNLM-9645-1.2	Fipronil sulfide (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	100 µg/mL in methanol	1.2 mL	143,000
ULM-9644-1.2	Fipronil sulfide (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CNLM-9643-1.2	Fipronil sulfone (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	100 µg/mL in methanol	1.2 mL	143,000
ULM-9642-1.2	Fipronil sulfone (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000

## Perfluorokerosene (PFK)

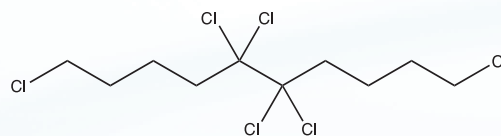
CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
PFK-HIGH-0.1	Perfluorokerosene, high-boiling range (unlabeled)	0.1 g	18,000
PFK-HIGH-0.5	Perfluorokerosene, high-boiling range (unlabeled)	0.5 g	45,000
PFK-HIGH-1	Perfluorokerosene, high-boiling range (unlabeled)	1 g	70,000
PFK-LOW-0.25	Perfluorokerosene, low-boiling range (unlabeled)	0.25 g	18,000
PFK-LOW-1	Perfluorokerosene, low-boiling range (unlabeled)	1 g	35,000

## Chlorinated Paraffins

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
CLM-9000-1.2	1,5,5,6,6,10-Hexachlorodecane ( <sup>13</sup> C <sub>10</sub> , 99%)	100 µg/mL in nonane	1.2 mL 299,000
ULM-8917-1.2	1,5,5,6,6,10-Hexachlorodecane (unlabeled)	100 µg/mL in nonane	1.2 mL 59,000
CLM-9679-1.2	1,1,1,3,10,12,12,12-Octachlorododecane ( <sup>13</sup> C <sub>12</sub> , 99%)	100 µg/mL in nonane	1.2 mL 299,000
ULM-9485-1.2	1,1,1,3,10,12,12,12-Octachlorododecane (unlabeled)	100 µg/mL in nonane	1.2 mL 59,000



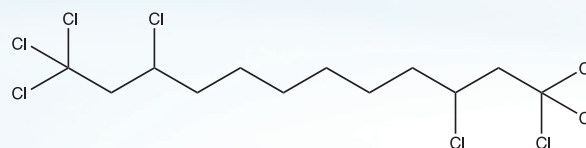
1,5,5,6,6,10-Hexachlorodecane (<sup>13</sup>C<sub>10</sub>, 99%)



1,5,5,6,6,10-Hexachlorodecane (unlabeled)



1,1,1,3,10,12,12,12-Octachlorododecane (<sup>13</sup>C<sub>12</sub>, 99%)



1,1,1,3,10,12,12,12-Octachlorododecane (unlabeled)



## Phthalates, Related Plasticizers and Metabolites

### Phthalate Plasticizer and Metabolite Standards

Catalog No.	Description	Concentration	Amount	Price(¥)
DLM-1366-1.2	Dimethyl phthalate (ring-D <sub>4</sub> , 98%)	100 µg/mL in nonane	1.2 mL	87,000
ULM-6783-1.2	Dimethyl phthalate (unlabeled)	100 µg/mL in nonane	1.2 mL	29,000
CLM-6071-MT-1.2	Monomethyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	128,000
ULM-6697-MT-1.2	Monomethyl phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	75,000
DLM-1629-1.2	Diethyl phthalate (ring-D <sub>4</sub> , 98%)	100 µg/mL in nonane	1.2 mL	87,000
ULM-6174-1.2	Diethyl phthalate (unlabeled)	100 µg/mL in nonane	1.2 mL	29,000
CLM-4586-MT-1.2	Monoethyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	128,000
ULM-4585-MT-1.2	Monoethyl phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	68,000
	Diisopropyl phthalate			
ULM-7395-MT-1.2	Monoisopropyl phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	75,000
DLM-1367-1.2	Di- <i>n</i> -butyl phthalate (ring-D <sub>4</sub> , 98%)	100 µg/mL in nonane	1.2 mL	96,000
ULM-7466-1.2	Di- <i>n</i> -butyl phthalate (unlabeled)	100 µg/mL in nonane	1.2 mL	29,000
CLM-4590-MT-1.2	Mono- <i>n</i> -butyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	128,000
ULM-6148-MT-1.2	Mono- <i>n</i> -butyl phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	75,000
CLM-6847-MT-1.2	Mono-(3-carboxypropyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	173,000
ULM-6848-MT-1.2	Mono-(3-carboxypropyl) phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	123,000
CLM-10204-1.2	Monoisobutyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	128,000
ULM-7919-MT-1.2	Monoisobutyl phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	75,000
DLM-1369-1.2	Benzyl butyl phthalate (ring-D <sub>4</sub> , 98%)	100 µg/mL in nonane	1.2 mL	87,000
ULM-7551-1.2	Benzyl butyl phthalate (unlabeled)	100 µg/mL in nonane	1.2 mL	29,000
CLM-4591-MT-1.2	Monobenzyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	128,000
ULM-6149-MT-1.2	Monobenzyl phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	75,000
CLM-4590-MT-1.2	Mono- <i>n</i> -butyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	128,000
ULM-6148-MT-1.2	Mono- <i>n</i> -butyl phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	75,000
CLM-6847-MT-1.2	Mono-(3-carboxypropyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	173,000
ULM-6848-MT-1.2	Mono-(3-carboxypropyl) phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	123,000
CLM-4668-1.2	Di- <i>n</i> -pentyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in nonane	1.2 mL	89,000
ULM-7433-1.2	Di- <i>n</i> -pentyl phthalate (unlabeled)	100 µg/mL in nonane	1.2 mL	29,000
CLM-10187-1.2	Mono- <i>n</i> -pentyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	128,000
ULM-7393-MT-1.2	Mono- <i>n</i> -pentyl phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	75,000
CLM-4669-1.2	Di- <i>n</i> -hexyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in nonane	1.2 mL	89,000
ULM-7434-1.2	Di- <i>n</i> -hexyl phthalate (unlabeled)	100 µg/mL in nonane	1.2 mL	29,000
CLM-4670-1.2	Dicyclohexyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in nonane	1.2 mL	89,000
ULM-8785-1.2	Dicyclohexyl phthalate (unlabeled)	100 µg/mL in nonane	1.2 mL	29,000
CLM-4592-MT-1.2	Monocyclohexyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	128,000
ULM-7394-MT-1.2	Monocyclohexyl phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	75,000
DLM-1630-1.2	Di- <i>n</i> -octyl phthalate (ring-D <sub>4</sub> , 98%)	100 µg/mL in nonane	1.2 mL	87,000
ULM-6129-1.2	Di- <i>n</i> -octyl phthalate (unlabeled)	100 µg/mL in nonane	1.2 mL	29,000
CLM-4589-MT-1.2	Mono- <i>n</i> -octyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	128,000
ULM-4593-MT-1.2	Mono- <i>n</i> -octyl phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	68,000
CLM-6847-MT-1.2	Mono-(3-carboxypropyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	173,000
ULM-6848-MT-1.2	Mono-(3-carboxypropyl) phthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	123,000

**Phthalate Plasticizer and Metabolite Standards** (continued)

Catalog No.	Description	PCN No.	Concentration	Amount	Price(¥)
DLM-1368-1.2	Bis(2-ethylhexyl) phthalate (ring-D <sub>4</sub> , 98%)		100 µg/mL in nonane	1.2 mL	96,000
ULM-6241-1.2	Bis(2-ethylhexyl) phthalate (unlabeled)		1000 µg/mL in nonane	1.2 mL	29,000
CLM-4584-MF-1.2	Mono-2-ethylhexyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	128,000
ULM-4583-MF-1.2	Mono-2-ethylhexyl phthalate (unlabeled) CP 95%		100 µg/mL in MTBE	1.2 mL	68,000
CLM-6640-MF-1.2	Mono-(2-ethyl-5-oxohexyl) phthalate ( <sup>13</sup> C <sub>4</sub> , 99%) (DEHP Metabolite VI)		100 µg/mL in MTBE	1.2 mL	179,000
ULM-4663-MF-1.2	Mono-(2-ethyl-5-oxohexyl) phthalate (unlabeled) (DEHP Metabolite VI)		100 µg/mL in MTBE	1.2 mL	123,000
CLM-6641-MF-1.2	Mono-(2-ethyl-5-hydroxyhexyl) phthalate ( <sup>13</sup> C <sub>4</sub> , 99%) (DEHP Metabolite IX)		100 µg/mL in MTBE	1.2 mL	179,000
ULM-4662-MF-1.2	Mono-(2-ethyl-5-hydroxyhexyl) phthalate (unlabeled) (DEHP Metabolite IX)		100 µg/mL in MTBE	1.2 mL	123,000
CLM-8232-MF-1.2	Mono-[(2-carboxymethyl)hexyl] phthalate ( <sup>13</sup> C <sub>4</sub> , 99%) (DEHP Metabolite IV) CP 95%		100 µg/mL in MTBE	1.2 mL	173,000
ULM-8233-MF-1.2	Mono-[(2-carboxymethyl)hexyl] phthalate (unlabeled) (DEHP Metabolite IV)		100 µg/mL in MTBE	1.2 mL	105,000
CLM-8148-MF-1.2	Mono-(2-ethyl-5-carboxypentyl) phthalate ( <sup>13</sup> C <sub>4</sub> , 99%) (DEHP Metabolite V) CP 90%		100 µg/mL in MTBE	1.2 mL	173,000
ULM-8149-MF-1.2	Mono-(2-ethyl-5-carboxypentyl) phthalate (unlabeled) (DEHP Metabolite V)		100 µg/mL in MTBE	1.2 mL	123,000
<b>Diisononyl phthalate</b>					
Di-(3,5,5-trimethyl-1-hexyl) phthalate					
CLM-4587-MF-1.2	Mono-(3,5,5-trimethyl-1-hexyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	128,000
ULM-4651-MF-1.2	Mono-(3,5,5-trimethyl-1-hexyl) phthalate (unlabeled)		100 µg/mL in MTBE	1.2 mL	75,000
Di-(4-methyloctyl) phthalate					
CLM-10192-1.2	Mono-(4-methyl-7-carboxyheptyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	158,000
ULM-10193-1.2	Mono-(4-methyl-7-carboxyheptyl) phthalate (unlabeled)		100 µg/mL in MTBE	1.2 mL	89,000
CLM-10188-1.2	Mono-(4-methyl-7-hydroxyoctyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	158,000
ULM-10189-1.2	Mono-(4-methyl-7-hydroxyoctyl) phthalate (unlabeled)		100 µg/mL in MTBE	1.2 mL	89,000
CLM-10190-1.2	Mono-(4-methyl-7-oxooctyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	158,000
ULM-10191-1.2	Mono-(4-methyl-7-oxooctyl) phthalate (unlabeled)		100 µg/mL in MTBE	1.2 mL	89,000
Di-(7-methyloctyl) phthalate					
CLM-10305-1.2	Mono-(7-carboxyoctyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	158,000
ULM-10306-1.2	Mono-(7-carboxyoctyl) phthalate (unlabeled)		100 µg/mL in MTBE	1.2 mL	89,000
<b>Diisodecyl phthalate</b>					
Di-(3,7-dimethyl-1-octyl) phthalate					
CLM-4588-MF-1.2	Mono-(3,7-dimethyl-1-octyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	128,000
ULM-4652-MF-1.2	Mono-(3,7-dimethyl-1-octyl) phthalate (unlabeled)		100 µg/mL in MTBE	1.2 mL	75,000
Di-(4,7-dimethyloctyl) phthalate					
CLM-10196-1.2	Mono-(4-methyl-7-carboxyoctyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	158,000
ULM-10197-1.2	Mono-(4-methyl-7-carboxyoctyl) phthalate (unlabeled)		100 µg/mL in MTBE	1.2 mL	89,000
Di-(8-methylnonyl) phthalate					
CLM-10307-1.2	Mono-(8-carboxynonyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	158,000
ULM-10308-1.2	Mono-(8-carboxynonyl) phthalate (unlabeled)		100 µg/mL in MTBE	1.2 mL	89,000
Di-(2-propylheptyl) phthalate					
CLM-10311-1.2	Mono-(6-carboxy-2-propylheptyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	158,000
ULM-10312-1.2	Mono-(6-carboxy-2-propylheptyl) phthalate (unlabeled)		100 µg/mL in MTBE	1.2 mL	89,000
CLM-10313-1.2	Mono-(6-hydroxy-2-propylheptyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	165,000
ULM-10314-1.2	Mono-(6-hydroxy-2-propylheptyl) phthalate (unlabeled)		100 µg/mL in MTBE	1.2 mL	93,000
CLM-10309-1.2	Mono-(6-oxo-2-propylheptyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)		100 µg/mL in MTBE	1.2 mL	158,000
ULM-10310-1.2	Mono-(6-oxo-2-propylheptyl) phthalate (unlabeled)		100 µg/mL in MTBE	1.2 mL	89,000

**Phthalate-Related Plasticizer Metabolite Standards**

Catalog No.	Description	Concentration	Amount	Price(¥)
CLM-10200-1.2	Mono-2-ethylhexyl terephthalate (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	179,000
ULM-10201-1.2	Mono-2-ethylhexyl terephthalate (unlabeled)	100 µg/mL in MTBE	1.2 mL	123,000
CLM-10592-1.2	Cyclohexane-1,2-dicarboxylic acid, di-(4-methyloctyl) ester (DINCH) ( <sup>13</sup> C <sub>4</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	173,000
ULM-10591-1.2	Cyclohexane-1,2-dicarboxylic acid, di-(4-methyloctyl) ester (DINCH) (unlabeled)	100 µg/mL in MTBE	1.2 mL	83,000
CLM-10299-1.2	Cyclohexane-1,2-dicarboxylic acid, mono-(4-methyloctyl) ester (MINCH) ( <sup>13</sup> C <sub>4</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	173,000
ULM-10300-1.2	Cyclohexane-1,2-dicarboxylic acid, mono-(4-methyloctyl) ester (MINCH) (unlabeled)	100 µg/mL in MTBE	1.2 mL	83,000
CLM-10301-1.2	Cyclohexane-1,2-dicarboxylic acid, mono-(4-methyl-7-oxooctyl) ester ( <sup>13</sup> C <sub>4</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	173,000
ULM-10302-1.2	Cyclohexane-1,2-dicarboxylic acid, mono-(4-methyl-7-oxooctyl) ester (unlabeled)	100 µg/mL in MTBE	1.2 mL	83,000
CLM-10303-1.2	Cyclohexane-1,2-dicarboxylic acid, mono-(7-carboxy-4-methylheptyl) ester ( <sup>13</sup> C <sub>4</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	173,000
ULM-10304-1.2	Cyclohexane-1,2-dicarboxylic acid, mono-(7-carboxy-4-methylheptyl) ester (unlabeled)	100 µg/mL in MTBE	1.2 mL	83,000
CLM-10202-1.2	Cyclohexane-1,2-dicarboxylic acid, mono-(7-hydroxy-4-methyloctyl) ester ( <sup>13</sup> C <sub>4</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	173,000
ULM-10203-1.2	Cyclohexane-1,2-dicarboxylic acid, mono-(7-hydroxy-4-methyloctyl) ester (unlabeled)	100 µg/mL in MTBE	1.2 mL	83,000
	Tris(2-ethylhexyl) trimellitate			
CLM-10319-1.2	1,2,4-Benzenetricarboxylic acid, 1,2-bis(2-ethylhexyl) ester ( <sup>13</sup> C <sub>8</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	179,000
ULM-10320-1.2	1,2,4-Benzenetricarboxylic acid, 1,2-bis(2-ethylhexyl) ester (unlabeled) (5% 2,4-isomer)	100 µg/mL in MTBE	1.2 mL	89,000
CLM-10315-1.2	1,2,4-Benzenetricarboxylic acid, 1,4-bis(2-ethylhexyl) ester ( <sup>13</sup> C <sub>8</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	179,000
ULM-10316-1.2	1,2,4-Benzenetricarboxylic acid, 1,4-bis(2-ethylhexyl) ester (unlabeled)	100 µg/mL in MTBE	1.2 mL	89,000
CLM-10317-1.2	1,2,4-Benzenetricarboxylic acid, 2,4-bis(2-ethylhexyl) ester ( <sup>13</sup> C <sub>8</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	179,000
ULM-10318-1.2	1,2,4-Benzenetricarboxylic acid, 2,4-bis(2-ethylhexyl) ester (unlabeled)	100 µg/mL in MTBE	1.2 mL	89,000

**Related Products**

Catalog No.	Description	Concentration	Amount	Price(¥)
CLM-4325-1.2	Bisphenol A (ring- <sup>13</sup> C <sub>12</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	98,000
ULM-7106-1.2	Bisphenol A (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	29,000
CLM-9776-1.2	Bisphenol AF (ring- <sup>13</sup> C <sub>12</sub> , 99%)	100 µg/mL in methanol	1.2 mL	119,000
ULM-9779-1.2	Bisphenol AF (unlabeled)	100 µg/mL in methanol	1.2 mL	38,000
ULM-9830-1.2	Bisphenol AP (unlabeled)	100 µg/mL in methanol	1.2 mL	38,000
CLM-9851-1.2	Bisphenol B (ring- <sup>13</sup> C <sub>12</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	119,000
ULM-9852-1.2	Bisphenol B (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	38,000
ULM-9826-1.2	Bisphenol E (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	38,000
CLM-9866-1.2	Bisphenol F (ring- <sup>13</sup> C <sub>12</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	119,000
ULM-9827-1.2	Bisphenol F (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	38,000
ULM-9829-1.2	Bisphenol P (unlabeled)	100 µg/mL in methanol	1.2 mL	38,000
CLM-9319-1.2	Bisphenol S ( <sup>13</sup> C <sub>12</sub> , 98%)	100 µg/mL in methanol	1.2 mL	119,000
ULM-9320-1.2	Bisphenol S (unlabeled)	100 µg/mL in methanol	1.2 mL	38,000
ULM-9828-1.2	Bisphenol Z (unlabeled)	100 µg/mL in methanol	1.2 mL	38,000
ULM-9831-1.2	Bisphenol A β-D-glucuronide (unlabeled) CP 90%	100 µg/mL in methanol	1.2 mL	119,000
ULM-9832-1.2	Bisphenol A bis-(β-D-glucuronide) disodium salt (unlabeled) CP 90%	100 µg/mL in methanol	1.2 mL	119,000
ULM-9833-1.2	Bisphenol A bissulfate disodium salt (unlabeled) CP 90%	100 µg/mL in methanol	1.2 mL	119,000
CLM-4675-1.2	Bis(2-ethylhexyl)adipate (adipate- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in nonane	1.2 mL	98,000
ULM-6566-1.2	Bis(2-ethylhexyl)adipate (unlabeled)	100 µg/mL in nonane	1.2 mL	53,000
CLM-4323-MF-1.2	Phthalic acid (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	98,000
ULM-8301-MF-1.2	Phthalic acid (unlabeled)	100 µg/mL in MTBE	1.2 mL	23,000



## Dicamba and Metabolites

### Featured Products

Catalog No.	Description	Concentration	Amount	Price(¥)
CLM-9914-1.2	Dicamba (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in methanol	1.2 mL	149,000
ULM-9911-1.2	Dicamba (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CLM-9915-1.2	2-Methoxy-3,6-dichloro-5-hydroxybenzoic acid (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in methanol	1.2 mL	179,000
ULM-9912-1.2	2-Methoxy-3,6-dichloro-5-hydroxybenzoic acid (unlabeled)	100 µg/mL in methanol	1.2 mL	38,000
CLM-9916-1.2	3,6-Dichlorosalicylic acid (DCSA) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in methanol	1.2 mL	149,000
ULM-9910-1.2	3,6-Dichlorosalicylic acid (DCSA) (unlabeled)	100 µg/mL in methanol	1.2 mL	29,000
CLM-9917-1.2	3,6-Dichlorogentisic acid (DCGA) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in methanol	1.2 mL	203,000
ULM-9913-1.2	3,6-Dichlorogentisic acid (DCGA) (unlabeled)	100 µg/mL in methanol	1.2 mL	38,000

### Related Products

Catalog No.	Description	Concentration	Amount	Price(¥)
CLM-4546-1.2	Acetochlor (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	173,000
ULM-9824-1.2	Acetochlor (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	29,000
CLM-3737-1.2	Atrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	100 µg/mL in nonane	1.2 mL	89,000
CLM-3737-MT-1.2	Atrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	100 µg/mL in MTBE	1.2 mL	89,000
ULM-7235-1.2	Atrazine (unlabeled)	100 µg/mL in nonane	1.2 mL	29,000
CLM-1858-1.2	2,4-Dichlorophenoxyacetic acid (2,4-D) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	113,000
ULM-7418-1.2	2,4-Dichlorophenoxyacetic acid (2,4-D) (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	29,000
CNLM-6792-1.2	Glyphosate ( <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N, 98%) CP 95%	100 µg/mL in water	1.2 mL	126,000
CNLM-4666-1.2	Glyphosate (2- <sup>13</sup> C, 99%; <sup>15</sup> N, 98%+) CP 96%	100 µg/mL in water	1.2 mL	113,000
CNLM-4666-10X-1.2	Glyphosate (2- <sup>13</sup> C, 99%; <sup>15</sup> N, 98%+) CP 96%	1000 µg/mL in water	1.2 mL	375,000
CNLM-4666-10	Glyphosate (2- <sup>13</sup> C, 99%; <sup>15</sup> N, 98%+) CP 96%	100 µg/mL in water	10 mL	375,000
ULM-6876-1.2	Glyphosate (unlabeled)	100 µg/mL in water	1.2 mL	29,000
CLM-3712-1.2	Metolachlor (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in nonane	1.2 mL	203,000
ULM-7314-1.2	Metolachlor (unlabeled)	100 µg/mL in nonane	1.2 mL	29,000





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# Perfluorinated Compounds (PFCs)

## Perfluorocarboxylic Acids (PFCA)

Catalog No.	Description	Concentration	Amount	Price(¥)
ULM-8097-1.2	Perfluorobutyric acid (PFBA) (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
ULM-9515-1.2	Perfluoropentanoic acid (PFPeA) (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CLM-8340-1.2	Perfluorohexanoic acid (PFHxA), sodium salt ( <sup>13</sup> C <sub>6</sub> , 99%)	50 µg/mL in methanol	1.2 mL	149,000
ULM-8342-1.2	Perfluorohexanoic acid (PFHxA), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CLM-10624-1.2	Perfluoroheptanoic acid (PFHpA), sodium salt ( <sup>13</sup> C <sub>7</sub> , 99%)	50 µg/mL in methanol	1.2 mL	149,000
ULM-9516-1.2	Perfluoroheptanoic acid (PFHpA) (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CLM-8005-1.2	Perfluorooctanoic acid (PFOA) ( <sup>13</sup> C <sub>8</sub> , 99%)	50 µg/mL in methanol	1.2 mL	149,000
ULM-7451-1.2	Perfluorooctanoic acid (PFOA) (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CLM-8060-1.2	Perfluorononanoic acid (PFNA) ( <sup>13</sup> C <sub>9</sub> , 99%)	50 µg/mL in methanol	1.2 mL	149,000
ULM-8066-1.2	Perfluorononanoic acid (PFNA) (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CLM-8172-1.2	Perfluorodecanoic acid (PFDA) ( <sup>13</sup> C <sub>9</sub> , 99%)	50 µg/mL in methanol	1.2 mL	173,000
ULM-8067-1.2	Perfluorodecanoic acid (PFDA) (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CLM-8789-1.2	Perfluoroundecanoic acid (PFUA), sodium salt ( <sup>13</sup> C <sub>9</sub> , 99%)	50 µg/mL in methanol	1.2 mL	173,000
ULM-8084-1.2	Perfluoroundecanoic acid (PFUA), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CLM-10593-1.2	Perfluorododecanoic acid (PFDoA), sodium salt ( <sup>13</sup> C <sub>12</sub> , 99%)	50 µg/mL in methanol	1.2 mL	173,000
ULM-10594-1.2	Perfluorododecanoic acid (PFDoA), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
ULM-8068-1.2	Perfluorododecanoic acid (PFDoA) (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
ULM-9955-1.2	Perfluorotridecanoic acid (PFTTrDA) (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
ULM-9956-1.2	Perfluorotetradecanoic acid (PFTeDA) (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000

## Perfluoroalkyl Sulfonates (PFAS)

Catalog No.	Description	Concentration	Amount	Price(¥)
ULM-9521-1.2	Perfluorobutanesulfonate (PFBS), potassium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
ULM-9520-1.2	Perfluoropentanesulfonate (PFPeS), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CLM-9526-1.2	Perfluorohexanesulfonate (PFHxS), potassium salt ( <sup>13</sup> C <sub>6</sub> , 99%)	50 µg/mL in methanol	1.2 mL	149,000
ULM-9524-1.2	Perfluorohexanesulfonate (PFHxS), potassium salt (unlabeled) (mix of isomers)	50 µg/mL in methanol	1.2 mL	29,000
ULM-9531-1.2	Perfluoroheptanesulfonate (PFHpS), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CLM-8505-1.2	Perfluorooctanesulfonate (PFOS), sodium salt ( <sup>13</sup> C <sub>8</sub> , 99%)	50 µg/mL in methanol	1.2 mL	143,000
ULM-9001-1.2	Perfluorooctanesulfonate (PFOS), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
ULM-10655-1.2	Perfluorooctanesulfonate (PFOS), sodium salt (unlabeled) (mix of isomers)	50 µg/mL in methanol	1.2 mL	29,000
ULM-9530-1.2	Perfluorononanesulfonate (PFNS), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
ULM-9527-1.2	Perfluorodecanesulfonate (PFDS), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000

Fluorotelomer Sulfonates

Catalog No.	Description	Concentration	Amount	Price(¥)
CDLM-10753-1.2	1H,1H,2H,2H-Perfluorohexanesulfonate (4:2 FTS), sodium salt ( <sup>13</sup> C <sub>2</sub> , 99%; D <sub>4</sub> , 98%)	50 µg/mL in methanol	1.2 mL	149,000
ULM-10757-1.2	1H,1H,2H,2H-Perfluorohexanesulfonate (4:2 FTS), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CDLM-10752-1.2	1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS), sodium salt ( <sup>13</sup> C <sub>2</sub> , 99%; D <sub>4</sub> , 98%)	50 µg/mL in methanol	1.2 mL	149,000
ULM-10756-1.2	1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CDLM-10751-1.2	1H,1H,2H,2H-Perfluorodecanesulfonate (8:2 FTS), sodium salt ( <sup>13</sup> C <sub>2</sub> , 99%; D <sub>4</sub> , 98%)	50 µg/mL in methanol	1.2 mL	149,000
ULM-10755-1.2	1H,1H,2H,2H-Perfluorodecanesulfonate (8:2 FTS), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000
CDLM-10750-1.2	1H,1H,2H,2H-Perfluorododecanesulfonate (10:2 FTS), sodium salt ( <sup>13</sup> C <sub>2</sub> , 99%; D <sub>4</sub> , 98%)	50 µg/mL in methanol	1.2 mL	149,000
ULM-10754-1.2	1H,1H,2H,2H-Perfluorododecanesulfonate (10:2 FTS), sodium salt (unlabeled)	50 µg/mL in methanol	1.2 mL	29,000

Perfluorooctanesulfonamidoacetic Acids (FOSAA)

Catalog No.	Description	Concentration	Amount	Price(¥)
DLM-10663-1.2	N-Methylperfluorooctanesulfonamidoacetic acid (N-MeFOSAA) (N-methyl-D <sub>3</sub> , 98%)	50 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-10656-1.2	N-Methylperfluorooctanesulfonamidoacetic acid (N-MeFOSAA) (unlabeled) (mix of isomers)	50 µg/mL in methanol	1.2 mL	38,000
DLM-10664-1.2	N-Ethylperfluorooctanesulfonamidoacetic acid (N-EtFOSAA) (N-methyl-D <sub>3</sub> , 98%)	50 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-10657-1.2	N-Ethylperfluorooctanesulfonamidoacetic acid (N-EtFOSAA) (unlabeled) (mix of isomers)	50 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-10740-1.2	N-Methylperfluorooctanesulfonamide (N-MeFOSA) (D <sub>3</sub> , 98%)	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-10779-1.2	N-Methylperfluorooctanesulfonamide (N-MeFOSA) (unlabeled)	100 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-10741-1.2	N-Ethylperfluorooctanesulfonamide (N-EtFOSA) (D <sub>3</sub> , 98%)	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-10780-1.2	N-Ethylperfluorooctanesulfonamide (N-EtFOSA) (unlabeled)	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-10728-1.2	GenX (Tetrafluoro-2-(heptafluoropropoxy)propanoic acid) (HFPO-DA) (unlabeled)			36,000

PFAS Mixture

Catalog No.	Description	Concentration	Amount	Price(¥)
ES-5576	Perfluoroalkylsulfonate (PFAS) C4-C10 Native Mixture	in methanol	1.2 mL	83,000

PFCA Mixture

Catalog No.	Description	Concentration	Amount	Price(¥)
ES-5587	Perfluoroalkylcarboxylic acid (PFCA) C4-C14 Native Mixture	in methanol	1.2 mL	75,000

PFOS/PFOA Mixtures

Catalog No.	Description	Concentration	Amount	Price(¥)
ES-5570	PFOS/PFOA Calibration Series CS1-CS5	in methanol	5 x 0.25 mL	209,000
ES-5570-CS0.25	PFOS/PFOA Calibration Series CS0.25	in methanol	0.25 mL	59,000
ES-5571	PFOS/PFOA Extraction Standard Mixture	in methanol	3 mL	135,000
ES-5572	PFOS/PFOA Injection Standard Mixture	in methanol	3 mL	75,000
ES-5573	PFOS/PFOA Native Standard Mixture	in methanol	1.2 mL	38,000



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# Pyrethroids

## Featured Products

Catalog No.	Description	Concentration	Amount	Price(¥)
DLM-10041-1.2	Bifenthrin (D <sub>6</sub> , 98%) CP 95%	100 µg/mL in nonane	1.2 mL	89,000
ULM-10034-1.2	Bifenthrin (unlabeled)	100 µg/mL in nonane	1.2 mL	23,000
CLM-7293-1.2	Cyfluthrin, mix of stereoisomers (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in nonane	1.2 mL	125,000
DLM-10043-1.2	Cyfluthrin, mix of stereoisomers (D <sub>6</sub> , 98%) CP 95%	100 µg/mL in nonane	1.2 mL	83,000
ULM-7454-1.2	Cyfluthrin, mix of stereoisomers (unlabeled)	100 µg/mL in nonane	1.2 mL	38,000
DLM-10039-1.2	Cyhalothrin (D <sub>6</sub> , 98%) CP 90%	100 µg/mL in nonane	1.2 mL	89,000
ULM-10032-1.2	Cyhalothrin (unlabeled)	100 µg/mL in nonane	1.2 mL	23,000
CLM-7292-1.2	Cypermethrin, mix of stereoisomers (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in nonane	1.2 mL	125,000
DLM-10042-1.2	Cypermethrin, mix of stereoisomers (D <sub>6</sub> , 98%)	100 µg/mL in nonane	1.2 mL	75,000
ULM-7453-1.2	Cypermethrin, mix of stereoisomers (unlabeled)	100 µg/mL in nonane	1.2 mL	38,000
DLM-10040-1.2	Deltamethrin (D <sub>6</sub> , 98%)	100 µg/mL in nonane	1.2 mL	83,000
ULM-10033-1.2	Deltamethrin (unlabeled)	100 µg/mL in nonane	1.2 mL	20,000
DLM-10037-1.2	Fenpropathrin (D <sub>6</sub> , 98%)	100 µg/mL in nonane	1.2 mL	89,000
ULM-10023-1.2	Fenpropathrin (unlabeled)	100 µg/mL in nonane	1.2 mL	23,000
DLM-10035-1.2	Fenvalerate (D <sub>6</sub> , 98%)	100 µg/mL in nonane	1.2 mL	89,000
ULM-10022-1.2	Fenvalerate (unlabeled)	100 µg/mL in nonane	1.2 mL	23,000
CLM-7322-1.2	<i>cis</i> -Permethrin (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	50 µg/mL in nonane	1.2 mL	68,000
CLM-7323-1.2	<i>trans</i> -Permethrin (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	50 µg/mL in nonane	1.2 mL	68,000
DLM-10036-1.2	Permethrin ( <i>cis/trans</i> mix) (D <sub>6</sub> , 98%)	100 µg/mL in nonane	1.2 mL	75,000
ULM-8526-1.2	<i>cis</i> -Permethrin (unlabeled)	50 µg/mL in nonane	1.2 mL	23,000
ULM-8527-1.2	<i>trans</i> -Permethrin (unlabeled)	50 µg/mL in nonane	1.2 mL	23,000
ULM-10018-1.2	Permethrin ( <i>cis/trans</i> mix) (unlabeled) CP 95%	100 µg/mL in nonane	1.2 mL	15,000
DLM-10038-1.2	Tefluthrin (D <sub>6</sub> , 98%)	100 µg/mL in nonane	1.2 mL	89,000
ULM-10031-1.2	Tefluthrin (unlabeled) CP 90%	100 µg/mL in nonane	1.2 mL	23,000

## Related Products

Catalog No.	Description	Concentration	Amount	Price(¥)
CDLM-9205-1.2	<i>cis</i> -DCCA (1,carboxyl- <sup>13</sup> C <sub>2</sub> , 99%; 1-D, 97%)	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	128,000
ULM-9176-1.2	<i>cis</i> -DCCA (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	59,000
CDLM-9206-1.2	<i>trans</i> -DCCA (1,carboxyl- <sup>13</sup> C <sub>2</sub> , 99%; 1-D, 97%) CP 97%	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	128,000
ULM-9175-1.2	<i>trans</i> -DCCA (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	59,000
CLM-7389-1.2	4-Fluoro-3-phenoxybenzoic acid ( <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	119,000
ULM-7391-1.2	4-Fluoro-3-phenoxybenzoic acid (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	59,000
CLM-4542-1.2	3-Phenoxybenzoic acid (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in nonane	1.2 mL	108,000
CLM-4542-SA-1.2	3-Phenoxybenzoic acid (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	108,000
ULM-6781-1.2	3-Phenoxybenzoic acid (unlabeled)	100 µg/mL in nonane	1.2 mL	38,000
ULM-6781-SA-1.2	3-Phenoxybenzoic acid (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	38,000



## Tobacco Specific Nitrosamines (TSNAs)

### Featured Products

Catalog No.	Description	Concentration	Amount	Price(¥)
CLM-3914-1.2	DL-Nicotine (3',4',5'- <sup>13</sup> C <sub>3</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	209,000
ULM-9547-1.2	Nicotine (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	29,000
CLM-4555-1.2	NNK (1,2',3',4',5',6'- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in nonane/ethanol (90:10)	1.2 mL	278,000
CLM-4555-A-1.2	NNK (1,2',3',4',5',6'- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	179,000
ULM-8987-1.2	NNK (unlabeled)	100 µg/mL in nonane/ethanol (90:10)	1.2 mL	38,000
ULM-8987-20X-1.2	NNK (unlabeled)	2 mg/mL in acetonitrile	1.2 mL	59,000
CLM-4556-1.2	NNAL (1,2',3',4',5',6'- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	239,000
ULM-9434-1.2	NNAL (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	38,000
ULM-9434-20X-1.2	NNAL (unlabeled)	2 mg/mL in acetonitrile	1.2 mL	59,000
CLM-4892-MT-1.2	DL-Nornicotine (3',4',5'- <sup>13</sup> C <sub>3</sub> , 99%)	100 µg/mL in MBTE	1.2 mL	149,000
ULM-2154-MT-1.2	Nornicotine (unlabeled)	100 µg/mL in MBTE	1.2 mL	29,000
CLM-4557-1.2	NNN (2,2',3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in nonane:ethanol (90:10)	1.2 mL	278,000
CLM-4557-A-1.2	NNN (2,2',3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	179,000
ULM-9406-1.2	NNN (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	38,000
ULM-9406-20X-1.2	NNN (unlabeled)	2 mg/mL in acetonitrile	1.2 mL	59,000
CLM-6651-1.2	Anabasine (2,2',3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	239,000
ULM-7281-1.2	Anabasine (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	38,000
CLM-6705-1.2	NAB (N'-Nitrosoanabasine) ( <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	239,000
ULM-7168-1.2	NAB (N'-Nitrosoanabasine) (unlabeled)	500 µg/mL in acetonitrile	1.2 mL	29,000
ULM-7168-4X-1.2	NAB (N'-Nitrosoanabasine) (unlabeled)	2 mg/mL in acetonitrile	1.2 mL	59,000
CLM-6652-1.2	Anatabine (2,2',3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	239,000
ULM-7282-1.2	Anatabine (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	38,000
CLM-6704-1.2	NAT (N'-Nitrosoanatabine) ( <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	239,000
ULM-7207-1.2	NAT (N'-Nitrosoanatabine) (unlabeled)	2000 µg/mL in acetonitrile	1.2 mL	53,000
DLM-1819-1.2	DL-Cotinine (methyl-D <sub>3</sub> , 98%)	100 µg/mL in acetonitrile	1.2 mL	143,000
ULM-9614-1.2	Cotinine (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	29,000
CLM-4896-1.2	DL-Norcotinine (3',4',5'- <sup>13</sup> C <sub>3</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	209,000
ULM-9615-1.2	Norcotinine (unlabeled)	100 µg/mL in acetonitrile	1.2 mL	29,000

### Related Products

Catalog No.	Description	Concentration	Amount	Price(¥)
DLM-4412-25	(-)-Menthol (1,2,6,6-D <sub>4</sub> , 98%)		25 mg	131,000



## US EPA UCMR 4 Method Standards

Catalog No.	Description	Amount	Price(¥)
ES-5591	EPA Method 530 Surrogate Analyte PDS Mixture	1.2 mL in methanol	36,000
	Labeled Component	Concentration (µg/mL)	
	o-Toluidine (D9, 98%)	500	
	Quinoline (D7, 98%)	500	

Catalog No.	Description	Amount	Price(¥)
ES-5592	EPA Method 530 Method Analyte Stock Mixture 1	1.2 mL in methanol	12,000
	Native Component	Concentration (µg/mL)	
	o-Toluidine	2000	
	Quinoline	2000	

Catalog No.	Description	Amount	Price(¥)
ES-5593	EPA Method 530 Method Analyte Stock Mixture 2	1.2 mL in methanol	15,000
	Native Component	Concentration (µg/mL)	
	Butylated hydroxyanisole (BHA)	2000	
	Dimethipin	2000	

Catalog No.	Description	Amount	Price(¥)
ES-5588	EPA Method 541 Internal Standard PDS Mixture	1.2 mL in methanol	14,000
	Labeled Component	Concentration (µg/mL)	
	1,4-Dioxane (D8, 98%)	50	
	Chlorobenzene (D5, 98%)	50	

Catalog No.	Description	Amount	Price(¥)
ES-5589	EPA Method 541 Surrogate Analyte PDS Mixture (D, 98%)	1.2 mL in methanol	18,000
	Labeled Component	Concentration (µg/mL)	
	n-Butanol (D10, 98%)	50	
	Allyl alcohol (D6, 98%)	50	

Catalog No.	Description	Amount	Price(¥)
ES-5590	EPA Method 541 Method Analyte Stock Mixture (Alcohols)	1.2 mL in methanol	21,000
	Native Component	Concentration (µg/mL)	
	n-Butanol	2000	
	2-Methoxyethanol	2000	
	Allyl alcohol	2000	

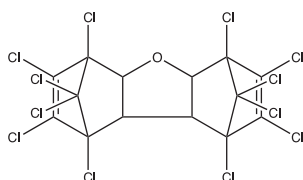
EPA Method 544 Standards

Catalog No.	Description	Concentration	Amount	Price(¥)
DLM-10260-0.025MG	Microcystin-LR, ethylated (D <sub>5</sub> , 98%)	neat	0.025 mg	75,000
NLM-10295-1.2	Microcystin-LR ( <sup>15</sup> N <sub>10</sub> , 98%)	10 µg/mL in 1:1 methanol:water	1.2 mL	128,000
ULM-10342-1.2	Microcystin-LR (unlabeled)	10 µg/mL in 1:1 methanol:water	1.2 mL	38,000
NLM-10340-1.2	Microcystin-RR ( <sup>15</sup> N <sub>13</sub> , 98%)	10 µg/mL in 1:1 methanol:water	1.2 mL	128,000
ULM-10341-1.2	Microcystin-RR (unlabeled)	10 µg/mL in 1:1 methanol:water	1.2 mL	38,000
NLM-10343-1.2	Microcystin-YR ( <sup>15</sup> N <sub>13</sub> , 98%)	10 µg/mL in 1:1 methanol:water	1.2 mL	149,000
ULM-10344-1.2	Microcystin-YR (unlabeled)	10 µg/mL in 1:1 methanol:water	1.2 mL	53,000
NLM-10345-1.2	Microcystin-LA ( <sup>15</sup> N <sub>7</sub> , 98%)	10 µg/mL in 1:1 methanol:water	1.2 mL	149,000
ULM-10346-1.2	Microcystin-LA (unlabeled)	10 µg/mL in 1:1 methanol:water	1.2 mL	53,000

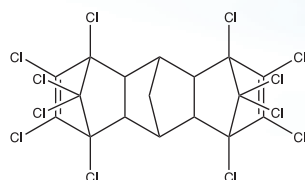
Catalog No.	Description	Amount	Price(¥)
ES-5584	EPA Method 545 Internal Standard PDS Mixture (D, 98%)	2 × 1.2 mL in 1:1 methanol:water	30,000
	<u>Labeled Component</u>	<u>Concentration (µg/mL)</u>	
	Uracil (D <sub>4</sub> , 98%)	1.00	
	L-phenylalanine (D <sub>5</sub> , 98%)	0.25	



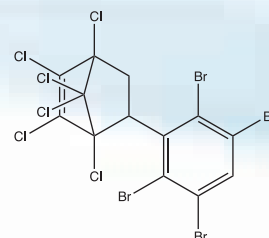
## Alternative Halogenated Flame Retardants



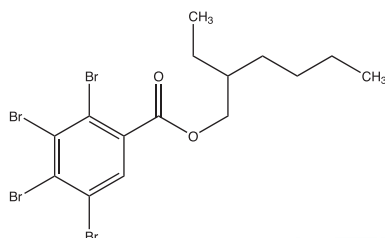
Dechlorane 602



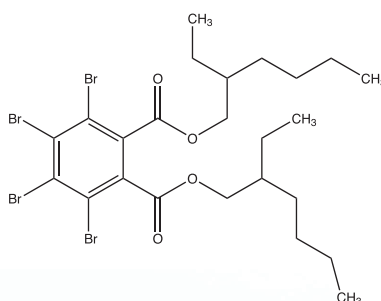
Dechlorane 603



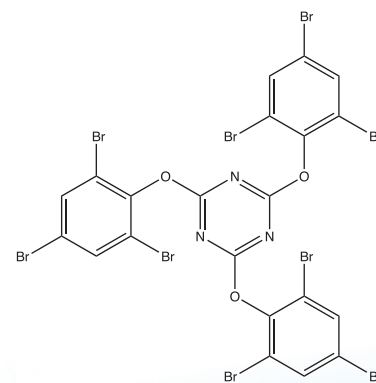
Dechlorane 604



2-Ethylhexyl-2,3,4,5-tetrabromobenzoate  
(TBB)



Bis(2-ethylhexyl)tetrabromophthalate  
(TBPH)



Tris(2,3,6-tribromophenoxy)-1,3,5-triazine  
(TTBP-TAZ)

### Dechlorane Flame Retardants

Catalog No.	Description	Concentration	Amount	Price(¥)
CLM-9282-1.2	Dechlorane 602 (1,2,3,4,6,7,8,9,10,11- <sup>13</sup> C <sub>10</sub> , 99%)	100 µg/mL in nonane	1.2 mL	203,000
ULM-9283-1.2	Dechlorane 602 (unlabeled)	100 µg/mL in nonane	1.2 mL	59,000
ULM-9621-1.2	Dechlorane 603 (unlabeled)	100 µg/mL in nonane	1.2 mL	59,000
ULM-9622-1.2	Dechlorane 604 (Component A) (unlabeled)	100 µg/mL in nonane	1.2 mL	59,000
ULM-7777-1.2	Dechlorane Plus technical product (unlabeled)	100 µg/mL in nonane	1.2 mL	45,000
CLM-8569-1.2	Dechlorane Plus syn (bis-cyclopentene- <sup>13</sup> C <sub>10</sub> , 99%)	100 µg/mL in nonane	1.2 mL	270,000
CLM-8569-T-1.2	Dechlorane Plus syn (bis-cyclopentene- <sup>13</sup> C <sub>10</sub> , 99%)	100 µg/mL in toluene	1.2 mL	270,000
ULM-7886-1.2	Dechlorane Plus syn (unlabeled)	100 µg/mL in nonane	1.2 mL	59,000
ULM-7886-T-1.2	Dechlorane Plus syn (unlabeled)	100 µg/mL in toluene	1.2 mL	59,000
CLM-8588-1.2	Dechlorane Plus anti (bis-cyclopentene- <sup>13</sup> C <sub>10</sub> , 99%)	100 µg/mL in nonane	1.2 mL	270,000
CLM-8588-T-1.2	Dechlorane Plus anti (bis-cyclopentene- <sup>13</sup> C <sub>10</sub> , 99%)	100 µg/mL in toluene	1.2 mL	270,000
ULM-7887-1.2	Dechlorane Plus anti (unlabeled)	100 µg/mL in nonane	1.2 mL	59,000
ULM-7887-T-1.2	Dechlorane Plus anti (unlabeled)	100 µg/mL in toluene	1.2 mL	59,000
CLM-4813-1.2	Mirex ( <sup>13</sup> C <sub>10</sub> , 98%)	100 µg/mL in nonane	1.2 mL	293,000
ULM-2427-1.2	Mirex (unlabeled)	100 µg/mL in nonane	1.2 mL	29,000

**Firemaster® 550**

Catalog No.	Description	Concentration	Amount	Price(¥)
DLM-9945-1.2	TBB (2-Ethylhexyl-2,3,4,5-tetrabromobenzoate) (D <sub>17</sub> , 98%)	50 µg/mL in toluene	1.2 mL	89,000
ULM-9944-1.2	TBB (2-Ethylhexyl-2,3,4,5-tetrabromobenzoate) (unlabeled)	50 µg/mL in toluene	1.2 mL	29,000
DLM-9947-1.2	TBPH (Bis(2-ethylhexyl)tetrabromophthalate) (D <sub>34</sub> , 98%)	50 µg/mL in toluene	1.2 mL	83,000
ULM-9946-1.2	TBPH (Bis(2-ethylhexyl)tetrabromophthalate) (unlabeled)	50 µg/mL in toluene	1.2 mL	29,000

**TTBP-TAZ**

Catalog No.	Description	Concentration	Amount	Price(¥)
CLM-9535-1.2	Tris(2,4,6-tribromophenoxy)-1,3,5-triazine (TTBP-TAZ) ( <sup>13</sup> C <sub>18</sub> , 99%)	50 µg/mL in dioxane	1.2 mL	149,000
ULM-9506-1.2	Tris(2,4,6-tribromophenoxy)-1,3,5-triazine (TTBP-TAZ) (unlabeled)	50 µg/mL in dioxane	1.2 mL	45,000
EO-5030	OctaBDE technical mix (DE-79) (unlabeled)	50 µg/mL in methanol	1.2 mL	83,000
EO-5060	DecaBDE technical mix (SAYTEX 102E) (unlabeled)	50 µg/mL in methanol	10 mL	83,000

**Other Alternative Halogenated Flame Retardants**

Catalog No.	Description	Concentration	Amount	Price(¥)
CLM-7102-1.2	Hexabromocyclododecane ( <sup>13</sup> C <sub>12</sub> , 99%) (unequal mix of 3 isomers)	50 µg/mL in toluene	1.2 mL	240,000
CLM-7922-0.5	α-Hexabromocyclododecane ( <sup>13</sup> C <sub>12</sub> , 99%)	50 µg/mL in toluene	1.2 mL	149,000
ULM-4834-1.2	α-Hexabromocyclododecane (unlabeled)	50 µg/mL in toluene	1.2 mL	90,000
CLM-7923-1.2	β-Hexabromocyclododecane ( <sup>13</sup> C <sub>12</sub> , 99%)	50 µg/mL in toluene	1.2 mL	209,000
ULM-4835-1.2	β-Hexabromocyclododecane (unlabeled)	50 µg/mL in toluene	1.2 mL	90,000
CLM-7924-1.2	γ-Hexabromocyclododecane ( <sup>13</sup> C <sub>12</sub> , 99%)	50 µg/mL in toluene	1.2 mL	209,000
ULM-4836-1.2	γ-Hexabromocyclododecane (unlabeled)	50 µg/mL in toluene	1.2 mL	90,000
CLM-4694-1.2	Tetrabromobisphenol A ( <sup>13</sup> C <sub>12</sub> , 99%)	50 µg/mL in methanol	1.2 mL	119,000
CLM-4694-T-1.2	Tetrabromobisphenol A ( <sup>13</sup> C <sub>12</sub> , 99%)	50 µg/mL in toluene	1.2 mL	119,000
ULM-8734-1.2	Tetrabromobisphenol A (unlabeled)	50 µg/mL in methanol	1.2 mL	38,000
ULM-8734-T-1.2	Tetrabromobisphenol A (unlabeled)	50 µg/mL in toluene	1.2 mL	38,000
CLM-9374-1.2	Dimethyl tetrabromobisphenol A ( <sup>13</sup> C <sub>12</sub> , 99%)	100 µg/mL in toluene	1.2 mL	131,000
ULM-6236-1.2	Dimethyl tetrabromobisphenol A (unlabeled)	50 µg/mL in nonane	1.2 mL	59,000
ULM-10353-1.2	Pentabromoethylbenzene (PBEB) (unlabeled)	100 µg/mL in toluene	1.2 mL	29,000



## Foodomics

Catalog No.	Description	Concentration	Amount	Price(¥)
CNLM-3726-1.2	Acetaminophen ( <sup>13</sup> C <sub>2</sub> , 99%; <sup>15</sup> N, 98%+)	100 µg/mL in acetonitrile	1.2 mL	149,000
CLM-4546-1.2	Acetochlor ( <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	173,000
CLM-813-1.2	Acrylamide ( <sup>13</sup> C <sub>3</sub> , 99%)	1 mg/mL in methanol	1.2 mL	56,000
DLM-1149-1.2	Atrazine (D <sub>5</sub> , 98%)	100 µg/mL in nonane	1.2 mL	135,000
CLM-4325-1.2	Bisphenol A ( <sup>13</sup> C <sub>12</sub> , 99%)	100 µg/mL in acetonitrile	1.2 mL	98,000
CLM-1911-1.2	Carbofuran ( <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in 1,4-dioxane	1.2 mL	225,000
DLM-4633-1.2	3-Chloro-1,2-propanediol (D <sub>5</sub> , 98%)	1 mg/mL in methanol	1.2 mL	53,000
DLM-4360-1.2	Chlorpyrifos (D <sub>10</sub> , 99%)	100 µg/mL in nonane	1.2 mL	105,000
DLM-7153-1.2	Chlorpyrifos-methyl (D <sub>6</sub> , 98%)	100 µg/mL in nonane	1.2 mL	113,000
CLM-3757-1.2	Chrysene ( <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in nonane	1.2 mL	188,000
CNLM-4661-1.2	Cyanuric acid ( <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N <sub>3</sub> , 98%)	100 µg/mL in water	1.2 mL	113,000
CLM-9914-1.2	Dicamba ( <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in methanol	1.2 mL	149,000
DLM-2112-1.2	1,3-Dichloro-2-propanol (D <sub>5</sub> , 98%)	1 mg/mL in methanol	1.2 mL	53,000
DLM-10035-1.2	Fenvalerate (D <sub>6</sub> , 98%)	100 µg/mL in nonane	1.2 mL	89,000
DLM-2140-1.2	Fluoranthene (D <sub>10</sub> , 98%)	200 µg/mL in isooctane	1.2 mL	30,000
CNLM-6792-1.2	Glyphosate ( <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N, 98%)	100 µg/mL in water	1.2 mL	126,000
CNLM-8150-1.2	Melamine ( <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N <sub>3</sub> , 98%)	100 µg/mL in water	1.2 mL	105,000
OLM-7310-1.2	Perchloric acid, sodium salt ( <sup>18</sup> O <sub>4</sub> , 90%+)	100 µg/mL in water	1.2 mL	105,000

## Chlorate Standards for Food and Water Testing

### Featured Products

Catalog No.	Description	Concentration	Amount	Price(¥)
OLM-7310-1.2	Perchloric acid, sodium salt ( <sup>18</sup> O <sub>4</sub> , 90%+)	100 µg/mL in water	1.2 mL	105,000
ULM-7312-1.2	Perchloric acid, sodium salt (unlabeled)	100 µg/mL in water	1.2 mL	38,000
OLM-10485-1.2	Potassium chlorate ( <sup>18</sup> O <sub>3</sub> , 98%) CP 90-95%	100 µg/mL in <sup>18</sup> O water	1.2 mL	119,000
ULM-10486-1.2	Potassium chlorate (unlabeled)	100 µg/mL in <sup>18</sup> O water	1.2 mL	29,000
OLM-8283-180-1.2	Potassium bromate ( <sup>18</sup> O <sub>3</sub> , 98%) CP 90-95%	100 µg/mL in <sup>18</sup> O water	1.2 mL	119,000
ULM-8451-1.2	Potassium bromate (unlabeled)	100 µg/mL in water	1.2 mL	29,000

- **Two\_column PCDDs/PCDFs+DL-PCBs**

定量分析用混合標準溶液

- **Rapid PCB Screening** 定量分析用標準溶液

- **PCB-Wide PCBs** 定量分析用標準溶液

- **PCB-Wide/1668 PCBs** 定量分析用標準溶液

- **Native PCB** 混合標準溶液



# Two\_column PCDDs/PCDFs+DL-PCBs

## 定量分析用混合標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5443	Two_column PCDDs/PCDFs+DL-PCBs Calibration Solutions CS1H-CS6H	6 ampoules x 0.2mL in nonane	885,000
EDF-5443-CS1H	Two_column PCDDs/PCDFs+DL-PCBs Calibration Solutions CS1H	1 ampoule x 0.2mL in nonane	158,000
EDF-5443-CS4H	Two_column PCDDs/PCDFs+DL-PCBs Calibration Solutions CS4H	1 ampoule x 0.2mL in nonane	158,000

All concentration (ng/mL)								
Unlabeled	IUPAC#	CS1H	CS2H	CS3H	CS4H	CS5H	CS6H	
2,3,7,8-TCDF		0.1	0.5	2	10	50	200	
1,3,6,8-TCDF		0.1	0.5	2	10	50	200	
1,2,7,8-TCDF		0.1	0.5	2	10	50	200	
1,2,8,9-TCDF		0.1	0.5	2	10	50	200	
1,2,3,7,8-PeCDF		0.1	0.5	2	10	50	200	
2,3,4,7,8-PeCDF		0.1	0.5	2	10	50	200	
1,2,3,4,7,8-HxCDF		0.2	1	4	20	100	400	
1,2,3,6,7,8-HxCDF		0.2	1	4	20	100	400	
2,3,4,6,7,8-HxCDF		0.2	1	4	20	100	400	
1,2,3,7,8,9-HxCDF		0.2	1	4	20	100	400	
1,2,3,4,6,7,8-HpCDF		0.2	1	4	20	100	400	
1,2,3,4,7,8,9-HpCDF		0.2	1	4	20	100	400	
OCDF		0.5	2.5	10	50	250	1000	
2,3,7,8-TCDD		0.1	0.5	2	10	50	200	
1,3,6,8-TCDD		0.1	0.5	2	10	50	200	
1,3,7,9-TCDD		0.1	0.5	2	10	50	200	
1,2,8,9-TCDD		0.1	0.5	2	10	50	200	
1,2,3,7,8-PeCDD		0.1	0.5	2	10	50	200	
1,2,3,4,7,8-HxCDD		0.2	1	4	20	100	400	
1,2,3,6,7,8-HxCDD		0.2	1	4	20	100	400	
1,2,3,7,8,9-HxCDD		0.2	1	4	20	100	400	
1,2,3,4,6,7,8-HpCDD		0.2	1	4	20	100	400	
OCDD		0.5	2.5	10	50	250	1000	
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Non-ortho	3,4,4',5'-TeCB	81	0.2	0.5	2	10	50	200
	3,3',4,4'-TeCB	77	0.2	0.5	2	10	50	200
	3,3',4,4',5'-PeCB	126	0.2	0.5	2	10	50	200
	3,3',4,4',5,5'-HxCB	169	0.2	0.5	2	10	50	200
Mono-ortho	2',3,4,4',5'-PeCB	123	0.2	0.5	2	10	50	200
	2,3',4,4',5'-PeCB	118	0.2	0.5	2	10	50	200
	2,3,3',4,4',5'-PeCB	105	0.2	0.5	2	10	50	200
	2,3,4,4',5'-PeCB	114	0.2	0.5	2	10	50	200
	2,3',4,4',5,5'-HxCB	167	0.2	0.5	2	10	50	200
	2,3,3',4,4',5'-HxCB	156	0.2	0.5	2	10	50	200
	2,3,3',4,4',5'-HxCB	157	0.2	0.5	2	10	50	200
	2,3,3',4,4',5,5'-HpCB	189	0.2	0.5	2	10	50	200
Di-ortho	2,2',3,3',4,4',5'-HpCB	170	0.2	0.5	2	10	50	200
	2,2',3,4,4',5,5'-HpCB	180	0.2	0.5	2	10	50	200
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	Labeled	IUPAC#	CS1H	CS2H	CS3H	CS4H	CS5H	CS6H
	2,3,7,8-TCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
Syringe	1,2,7,8-TCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,2,3,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	2,3,4,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
Syringe	1,2,3,4,6-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,2,3,4,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,2,3,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	2,3,4,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,2,3,7,8,9-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,2,3,4,6,7,8-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,2,3,4,7,8,9-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
Syringe	1,2,3,4,6,8,9-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	OCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20	20
Sampling	1,2,3,4-TCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	2,3,7,8-TCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,3,6,8-TCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,2,3,7,8-PeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,2,3,4,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,2,3,6,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
Syringe	1,2,3,4,6,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,2,3,7,8,9-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	1,2,3,4,6,7,8-HpCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10
	OCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20	20
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Non-ortho	3,4,4',5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 81	10	10	10	10	10	10
	3,3',4,4'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 77	10	10	10	10	10	10
	3,3',4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 126	10	10	10	10	10	10
	3,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 169	10	10	10	10	10	10
Mono-ortho	2',3,4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 123	10	10	10	10	10	10
	2,3',4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 118	10	10	10	10	10	10
	2,3,3',4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 105	10	10	10	10	10	10
	2,3,4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 114	10	10	10	10	10	10
	2,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 167	10	10	10	10	10	10
	2,3,3',4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 156	10	10	10	10	10	10
	2,3,3',4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 157	10	10	10	10	10	10
	2,3,3',4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%) 189	10	10	10	10	10	10
	2,2',3,3',4,4',5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%) 170	10	10	10	10	10	10
	2,2',3,4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%) 180	10	10	10	10	10	10
Syringe	2,3',4',5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 70	10	10	10	10	10	10
Syringe	2,3,3',5',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 111	10	10	10	10	10	10
Syringe	2,2',3,4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 138	10	10	10	10	10	10
Syringe	2,2',3,3',5,5',6'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%) 178	10	10	10	10	10	10
Sampling	3,3',4,5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 79	10	10	10	10	10	10

PCDD/DFとDL-PCBの検量線を同時に作成することができる標準物質です。  
 検量線作成に要する時間を半減できます。2カラム法を用いてPCDD/DFとDL-PCBを同時定量する  
 際、GC/MSへの1回の注入によりこれらの検量線を同時に作成することができ、検量線作成作業の  
 簡略化が可能です。低コスト化への最終兵器です。

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5444-C	Two_column PCDDs/PCDFs+DL-PCBs Cleanup Spike	0.6mL in nonane	658,000

\*カタログ番号の改訂がございました。組成にご注意下さい。

Labeled	IUPAC#	Concentration (ng/mL)	
		EDF-5444	EDF-5444-C
2,3,7,8-TCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
1,3,6,8-TCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		—	—
1,2,3,7,8-PeCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
2,3,4,7,8-PeCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
1,2,3,4,7,8-HxCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
1,2,3,6,7,8-HxCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
2,3,4,6,7,8-HxCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
1,2,3,7,8,9-HxCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
1,2,3,4,6,7,8-HpCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
1,2,3,4,7,8,9-HpCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
OCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		2000	2000
2,3,7,8-TCDD ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
1,3,6,8-TCDD ( <sup>13</sup> C <sub>12</sub> , 99%)		—	1000
1,2,3,7,8-PeCDD ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
1,2,3,4,7,8-HxCDD ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
1,2,3,6,7,8-HxCDD ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
1,2,3,7,8,9-HxCDD ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	1000
OCDD ( <sup>13</sup> C <sub>12</sub> , 99%)		2000	2000
-----			
3,4,4',5'-TeCB ( <sup>13</sup> C <sub>12</sub> , 99%)	81	1000	1000
3,3',4,4'-TeCB ( <sup>13</sup> C <sub>12</sub> , 99%)	77	1000	1000
3,3',4,4',5'-PeCB ( <sup>13</sup> C <sub>12</sub> , 99%)	126	1000	1000
3,3',4,4',5,5'-HxCB ( <sup>13</sup> C <sub>12</sub> , 99%)	169	1000	1000
2',3,4,4',5'-PeCB ( <sup>13</sup> C <sub>12</sub> , 99%)	123	1000	1000
2,3',4,4',5'-PeCB ( <sup>13</sup> C <sub>12</sub> , 99%)	118	1000	1000
2,3,3',4,4'-PeCB ( <sup>13</sup> C <sub>12</sub> , 99%)	105	1000	1000
2,3,4,4',5'-PeCB ( <sup>13</sup> C <sub>12</sub> , 99%)	114	1000	1000
2,3',4,4',5,5'-HxCB ( <sup>13</sup> C <sub>12</sub> , 99%)	167	1000	1000
2,3,3',4,4',5'-HxCB ( <sup>13</sup> C <sub>12</sub> , 99%)	156	1000	1000
2,3,3',4,4',5'-HxCB ( <sup>13</sup> C <sub>12</sub> , 99%)	157	1000	1000
2,3,3',4,4',5,5'-HpCB ( <sup>13</sup> C <sub>12</sub> , 99%)	189	1000	1000
2,2',3,4,4',5,5'-HpCB ( <sup>13</sup> C <sub>12</sub> , 99%)	180	1000	1000

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5431-20x	Two_column PCDDs/PCDFs Syringe Spike	1.2mL in nonane	479,000

Labeled		Concentration (ng/mL)	
1,2,7,8-TCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	
1,2,3,4,6-PeCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	
1,2,3,4,6,7-HxCDD ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	
1,2,3,4,6,8,9-HpCDF ( <sup>13</sup> C <sub>12</sub> , 99%)		1000	

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5325-20x	Modified JIS Method DL-PCBs Syringe Spike	1.2mL in nonane	293,000

Labeled		Concentration (ng/mL)	
2,3',4',5'-TeCB ( <sup>13</sup> C <sub>12</sub> , 99%)		70	1000
2,3,3',5,5'-PeCB ( <sup>13</sup> C <sub>12</sub> , 99%)		111	1000
2,2',3,4,4',5'-HxCB ( <sup>13</sup> C <sub>12</sub> , 99%)		138	1000
2,2',3,3',5,5',6'-HpCB ( <sup>13</sup> C <sub>12</sub> , 99%)		178	1000



# Rapid PCB Screening 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5448	Rapid PCB Screening calibration Solutions CS1-CS4	4 ampoules x 0.2mL in nonane	498,000
EC-5448-HR	Rapid PCB Screening calibration Solutions CS0.02-CS0.5	4 ampoules x 0.2mL in nonane	498,000
EC-5448-CS0.1	Rapid PCB Screening calibration Solutions CS0.1	1 ampoule x 0.2mL in nonane	148,000
EC-5448-CS0.5	Rapid PCB Screening calibration Solutions CS0.5	1 ampoule x 0.2mL in nonane	148,000
EC-5448-CS4	Rapid PCB Screening calibration Solutions CS4	1 ampoule x 0.2mL in nonane	148,000

All concentration (ng/mL)		(EC-5448-HR)				(EC-5448)			
Unlabeled	IUPAC#	CS0.02	CS0.05	CS0.1	CS0.5	CS1	CS2	CS3	CS4
2,2',5'-TriCB	18	0.02	0.05	0.1	0.5	1	5	10	50
2,4,4'-TriCB	28	0.02	0.05	0.1	0.5	1	5	10	50
2,2',3,5'-TetraCB	44	0.02	0.05	0.1	0.5	1	5	10	50
2,2',5,5'-TetraCB	52	0.02	0.05	0.1	0.5	1	5	10	50
2,3',4',5'-TetraCB	70	0.02	0.05	0.1	0.5	1	5	10	50
2,2',4,5,5'-PentaCB	101	0.02	0.05	0.1	0.5	1	5	10	50
2,3,3',4',6'-PentaCB	110	0.02	0.05	0.1	0.5	1	5	10	50
2,3',4,4',5'-PentaCB	118	0.02	0.05	0.1	0.5	1	5	10	50
2,2',3,4,4',5'-HexaCB	138	0.02	0.05	0.1	0.5	1	5	10	50
2,2',3,4',5',6'-HexaCB	149	0.02	0.05	0.1	0.5	1	5	10	50
2,2',4,4',5,5'-HexaCB	153	0.02	0.05	0.1	0.5	1	5	10	50
2,2',3,4,4',5,5'-HeptaCB	180	0.02	0.05	0.1	0.5	1	5	10	50
2,2',3,4',5,5',6'-HeptaCB	187	0.02	0.05	0.1	0.5	1	5	10	50
Labeled	IUPAC#	CS0.02	CS0.05	CS0.1	CS0.5	CS1	CS2	CS3	CS4
2,4,4'-TriCB	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
2,2',5,5'-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
Syringe 2,3',4',5'-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
2,2',4,5,5'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
Syringe 2,3',4,4',5'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
2,2',3,4,4',5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
Syringe 2,2',3,4,5,5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
2,2',4,4',5,5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
2,2',3,4,4',5,5'-HeptaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5379	Rapid PCB Screening Clean-up Spike	1.2mL in nonane	195,000
EC-5379-5x1.2	Rapid PCB Screening Clean-up Spike	1.2mL x 5 in nonane	855,000

Labeled	IUPAC#	concentration(ng/mL)
2,4,4'-TriCB	( <sup>13</sup> C <sub>12</sub> , 99%) 28	1000
2,2',5,5'-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%) 52	1000
2,2',4,5,5'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%) 101	1000
2,2',3,4,4',5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%) 138	1000
2,2',4,4',5,5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%) 153	1000
2,2',3,4,4',5,5'-HeptaCB	( <sup>13</sup> C <sub>12</sub> , 99%) 180	1000

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5450	Rapid PCB Screening Syringe Spike	1.2mL in nonane	225,000

Labeled	IUPAC#	concentration(ng/mL)
2,3',4',5'-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%) 70	2000
2,3',4,4',5'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%) 118	2000
2,2',3,4,5,5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%) 141	2000

PCB13成分を対象とした絶縁油に含まれる微量PCBの定量法に準拠した標準物質です。  
 公定法(マニュアル)によって定義されている標準物質です。  
 全ての濃度はSIトレースサブルです。(メーカーにて調整した溶液をそのままアンプルに封印  
 しています)

### GC/MS/MS測定条件(EC-5448-CS4)

カラム: VF Rapid-MS for PCB (0.6 m×0.1 mm I.D.+10 m×0.53 mm I.D.バリアン)

オープン温度: 85°C(1min) —40 °C/min→305°C(0.5min)

注入量: 1 µl, ノナン

注入モード: スプリットレス(0.75 min)

注入口温度: 300°C

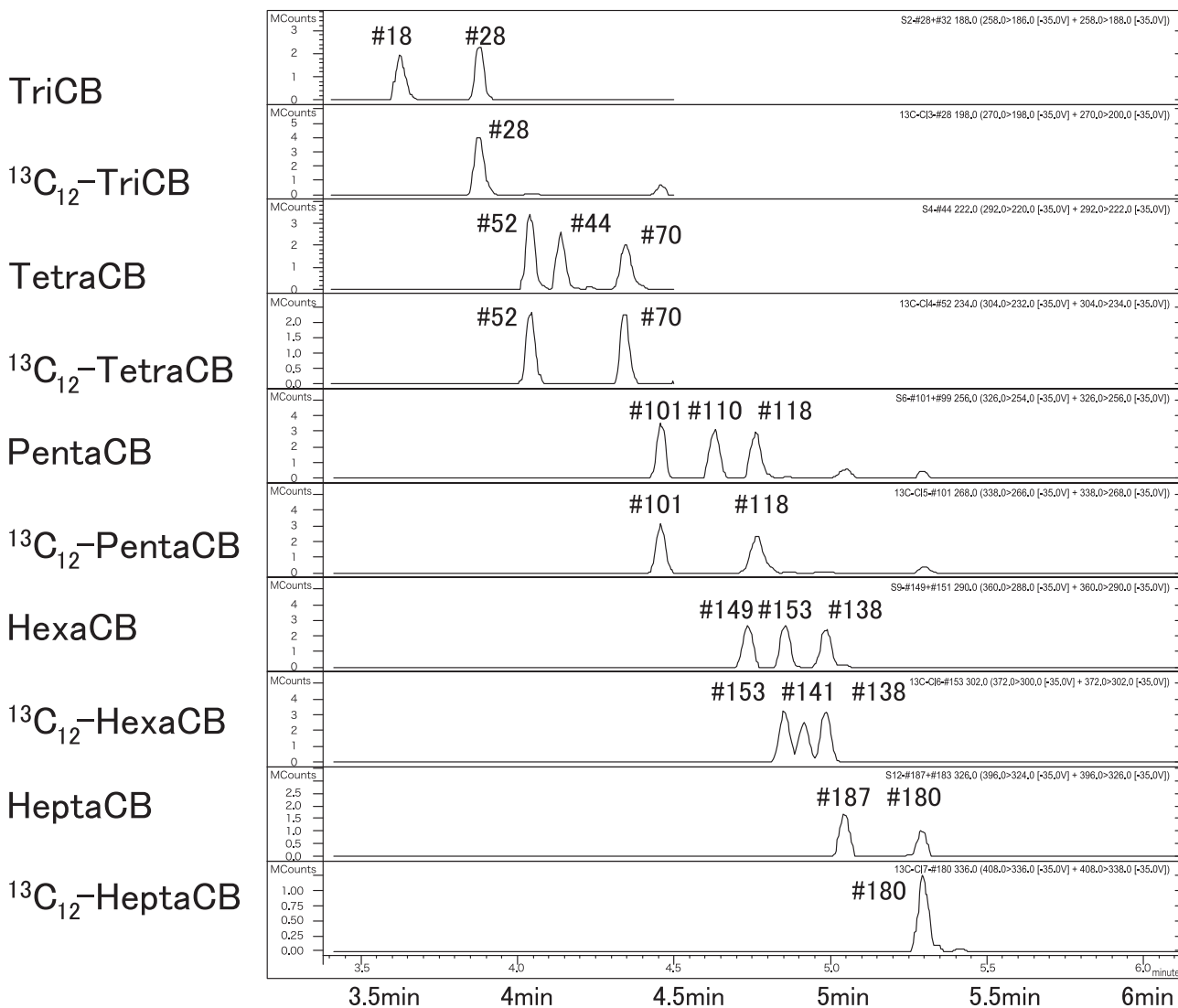
キャリアガス: ヘリウム

流量: 1.5 ml/min(定流量モード)

イオン源温度: 200°C

イオン化: EI 70eV

イオン検出方法: MS/MS(MRM)法(コリジョンガス: アルゴン2mTorr)



# PCB-Wide PCBs 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5414	PCB-Wide Calibration Solutions CS1-CS5	5 ampoules x 0.2 mL in nonane	1,100,000

		Concentration (ng/mL)					
Unlabeled	IUPAC#	CS1	CS2	CS3	CS4	CS5	
4-MonoCB	3	4	20	100	500	2000	
2,4'-DiCB	8	4	20	100	500	2000	
2,4,4'-TriCB	28	2	10	50	250	1000	
2,2',5,5'-TetraCB	52	2	10	50	250	1000	
2,2',4,5,5'-PentaCB	101	2	10	50	250	1000	
2,3',4,4',5-PentaCB	118	2	10	50	250	1000	
2,3,4,4',5-PentaCB	114	2	10	50	250	1000	
2,2',4,4',5,5'-HexaCB	153	2	10	50	250	1000	
2,2',3,4,4',5'-HexaCB	138	2	10	50	250	1000	
2,2',3,4,4',5,5'-HeptaCB	180	2	10	50	250	1000	
2,2',3,3',4,4',5,5'-OctaCB	194	4	20	100	500	2000	
2,2',3,3',4,4',5,5',6-NonaCB	206	4	20	100	500	2000	
2,2',3,3',4,4',5,5',6,6'-DecaCB	209	4	20	100	500	2000	
Labeled	IUPAC#	CS1	CS2	CS3	CS4	CS5	
4-MonoCB	( <sup>13</sup> C <sub>12</sub> , 99%)	3	100	100	100	100	
2,4'-DiCB	( <sup>13</sup> C <sub>12</sub> , 99%)	8	100	100	100	100	
2,4,4'-TriCB	( <sup>13</sup> C <sub>12</sub> , 99%)	28	100	100	100	100	
2,2',5,5'-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%)	52	100	100	100	100	
2,2',4,5,5'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	101	100	100	100	100	
2,3',4,4',5-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	118	100	100	100	100	
2,3,4,4',5-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	114	100	100	100	100	
2,2',4,4',5,5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	153	100	100	100	100	
2,2',3,4,4',5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	138	100	100	100	100	
2,2',3,4,4',5,5'-HeptaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	180	100	100	100	100	
2,2',3,3',4,4',5,5'-OctaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	194	100	100	100	100	
2,2',3,3',4,4',5,5',6-NonaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	206	100	100	100	100	
2,2',3,3',4,4',5,5',6,6'-DecaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	209	100	100	100	100	
Syringe	2,4',6-TriCB	( <sup>13</sup> C <sub>12</sub> , 99%)	32	100	100	100	100
Syringe	2,3',4',5-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%)	70	100	100	100	100
Syringe	3,3',4,5,5'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	127	100	100	100	100
Syringe	2,2',3,3',4,4'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	128	100	100	100	100
Syringe	2,2',3,3',4,4',5-HeptaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	170	100	100	100	100

広い濃度範囲を対象としたPCB定量分析用の標準溶液です。  
 1塩素化体から10塩素化体において特徴的なPCBを分析対象としています。  
 回収率は3塩素化体から7塩素化体の異性体を用いて算出することが可能です。

CATALOG#	COMPOUND	AMOUNT		PRICE (¥)	
EC-5411	PCB-Wide Cleanup Spike	1.2 mL in nonane		1,166,000	
EC-5411-A	PCB-Wide Cleanup Spike	1.2 mL in nonane		1,166,000	
	Labeled	IUPAC#	EC-5411	EC-5411-A	Concentration (ng/mL)
	4-MonoCB	( <sup>13</sup> C <sub>12</sub> , 99%)	3	2000	2000
	2,4'-DiCB	( <sup>13</sup> C <sub>12</sub> , 99%)	8	2000	2000
	2,4,4'-TriCB	( <sup>13</sup> C <sub>12</sub> , 99%)	28	2000	1000
	2,2',5,5'-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%)	52	2000	1000
	2,2',4,5,5'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	101	2000	1000
	2,3',4,4',5-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	118	2000	—
	2,3,4,4',5-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	114	2000	—
	2,2',4,4',5,5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	153	2000	1000
	2,2',3,4,4',5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	138	2000	—
	2,2',3,3',4,4',5-HeptaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	170	—	1000
	2,2',3,4,4',5,5'-HeptaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	180	2000	2000
	2,2',3,3',4,4',5,5'-OctaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	194	2000	2000
	2,2',3,3',4,4',5,5',6-NonaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	206	2000	2000
	2,2',3,3',4,4',5,5',6,6'-DecaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	209	2000	2000

CATALOG#	COMPOUND	AMOUNT		PRICE (¥)
EC-5415	PCB-Wide Syringe Spike	1.2 mL in nonane		582,000
	Labeled	IUPAC#	Concentration (ng/mL)	
	2,4',6-TriCB	( <sup>13</sup> C <sub>12</sub> , 99%)	32	2000
	2,3',4',5-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%)	70	2000
	3,3',4,5,5'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	127	2000
	2,2',3,3',4,4'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	128	2000
	2,2',3,3',4,4',5-HeptaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	170	2000

# PCB-Wide/1668 PCBs 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5518	PCB-Wide/1668 Calibration Solutions CS1-CS5	5 x 0.2 mL in nonane	1,393,000

Unlabeled Compounds	IUPAC#	Concentration (ng/mL)				
		CS1	CS2	CS3	CS4	CS5
2-MonoCB	1	0.2	1.0	4.0	20.0	100.0
4-MonoCB	3	0.2	1.0	4.0	20.0	100.0
2,2'-DiCB	4	0.2	1.0	4.0	20.0	100.0
2,4'-DiCB	8	0.2	1.0	4.0	20.0	100.0
2,5-DiCB	9	0.2	1.0	4.0	20.0	100.0
2,6-DiCB	10	0.2	1.0	4.0	20.0	100.0
3,3'-DiCB	11	0.2	1.0	4.0	20.0	100.0
3,4-DiCB	12	0.2	1.0	4.0	20.0	100.0
4,4'-DiCB	15	0.2	1.0	4.0	20.0	100.0
2,2',5-TriCB	18	0.1	0.5	2.0	10.0	50.0
2,2',6-TriCB	19	0.1	0.5	2.0	10.0	50.0
2,4,4'-TriCB	28	0.1	0.5	2.0	10.0	50.0
2,4',5-TriCB	31	0.1	0.5	2.0	10.0	50.0
2',3,4-TriCB	33	0.1	0.5	2.0	10.0	50.0
3,3',4-TriCB	35	0.1	0.5	2.0	10.0	50.0
3,4,4'-TriCB	37	0.1	0.5	2.0	10.0	50.0
3,4,5-TriCB	38	0.1	0.5	2.0	10.0	50.0
2,2',3,5'-TetraCB	44	0.1	0.5	2.0	10.0	50.0
2,2',4,5'-TetraCB	49	0.1	0.5	2.0	10.0	50.0
2,2',5,5'-TetraCB	52	0.1	0.5	2.0	10.0	50.0
2,2',6,6'-TetraCB	54	0.1	0.5	2.0	10.0	50.0
2,3,3',5-TetraCB	57	0.1	0.5	2.0	10.0	50.0
2,3',4,4'-TetraCB	66	0.1	0.5	2.0	10.0	50.0
2,3',4',5-TetraCB	70	0.1	0.5	2.0	10.0	50.0
2,4,4',5-TetraCB	74	0.1	0.5	2.0	10.0	50.0
3,3',4,4'-TetraCB	77	0.1	0.5	2.0	10.0	50.0
3,3',4,5-TetraCB	78	0.1	0.5	2.0	10.0	50.0
3,3',4,5'-TetraCB	79	0.1	0.5	2.0	10.0	50.0
3,4,4',5-TetraCB	81	0.1	0.5	2.0	10.0	50.0
2,2',3,4,5'-PentaCB	87	0.1	0.5	2.0	10.0	50.0
2,2',3,5',6-PentaCB	95	0.1	0.5	2.0	10.0	50.0
2,2',4,4',5-PentaCB	99	0.1	0.5	2.0	10.0	50.0
2,2',4,5,5'-PentaCB	101	0.1	0.5	2.0	10.0	50.0
2,2',4,6,6'-PentaCB	104	0.1	0.5	2.0	10.0	50.0
2,3,3',4,4'-PentaCB	105	0.1	0.5	2.0	10.0	50.0
2,3,3',4',6-PentaCB	110	0.1	0.5	2.0	10.0	50.0
2,3,3',5,5'-PentaCB	111	0.1	0.5	2.0	10.0	50.0
2,3,4,4',5-PentaCB	114	0.1	0.5	2.0	10.0	50.0
2,3',4,4',5-PentaCB	118	0.1	0.5	2.0	10.0	50.0
2',3,4,4',5-PentaCB	123	0.1	0.5	2.0	10.0	50.0
3,3',4,4',5-PentaCB	126	0.1	0.5	2.0	10.0	50.0
2,2',3,4,4',5'-HexaCB	138	0.1	0.5	2.0	10.0	50.0
2,2',3,4',5',6-HexaCB	149	0.1	0.5	2.0	10.0	50.0
2,2',4,4',5,5'-HexaCB	153	0.1	0.5	2.0	10.0	50.0
2,2',4,4',6,6'-HexaCB	155	0.1	0.5	2.0	10.0	50.0
2,3,3',4,4',5-HexaCB	156	0.1	0.5	2.0	10.0	50.0
2,3,3',4,4',5'-HexaCB	157	0.1	0.5	2.0	10.0	50.0
2,3,3',4',5,5'-HexaCB	162	0.1	0.5	2.0	10.0	50.0
2,3',4,4',5,5'-HexaCB	167	0.1	0.5	2.0	10.0	50.0
3,3',4,4',5,5'-HexaCB	169	0.1	0.5	2.0	10.0	50.0
2,2',3,3',4,4',5-HeptaCB	170	0.1	0.5	2.0	10.0	50.0
2,2',3,3',4,5,6'-HeptaCB	174	0.1	0.5	2.0	10.0	50.0
2,2',3,3',5,5',6-HeptaCB	178	0.1	0.5	2.0	10.0	50.0
2,2',3,4,4',5,5'-HeptaCB	180	0.1	0.5	2.0	10.0	50.0
2,2',3,4',5,5',6-HeptaCB	187	0.1	0.5	2.0	10.0	50.0
2,2',3,4',5,6,6'-HeptaCB	188	0.1	0.5	2.0	10.0	50.0

Unlabeled	IUPAC#	Concentration (ng/mL)				
		CS1	CS2	CS3	CS4	CS5
2,3,3',4,4',5,5'-HeptaCB	189	0.1	0.5	2.0	10.0	50.0
2,2',3,3',4,4',5,5'-OctaCB	194	0.1	0.5	2.0	10.0	50.0
2,2',3,3',4,4',5,6-OctaCB	195	0.1	0.5	2.0	10.0	50.0
2,2',3,3',4,5,6,6'-OctaCB	199	0.1	0.5	2.0	10.0	50.0
2,2',3,3',5,5',6,6'-OctaCB	202	0.1	0.5	2.0	10.0	50.0
2,2',3,4,4',5,5',6-OctaCB	203	0.1	0.5	2.0	10.0	50.0
2,3,3',4,4',5,5',6-OctaCB	205	0.1	0.5	2.0	10.0	50.0
2,2',3,3',4,4',5,5',6-NonaCB	206	0.1	0.5	2.0	10.0	50.0
2,2',3,3',4,5,5',6,6'-NonaCB	208	0.1	0.5	2.0	10.0	50.0
DecaCB	209	0.1	0.5	2.0	10.0	50.0

		IUPAC#	Concentration (ng/mL)				
			CS1	CS2	CS3	CS4	CS5
2-MonoCB	( <sup>13</sup> C <sub>12</sub> , 99%)	1L	10.0	10.0	10.0	10.0	10.0
4-MonoCB	( <sup>13</sup> C <sub>12</sub> , 99%)	3L	10.0	10.0	10.0	10.0	10.0
2,2'-DiCB	( <sup>13</sup> C <sub>12</sub> , 99%)	4L	10.0	10.0	10.0	10.0	10.0
4,4'-DiCB	( <sup>13</sup> C <sub>12</sub> , 99%)	15L	10.0	10.0	10.0	10.0	10.0
2,2',6-TriCB	( <sup>13</sup> C <sub>12</sub> , 99%)	19L	10.0	10.0	10.0	10.0	10.0
3,4,4'-TriCB	( <sup>13</sup> C <sub>12</sub> , 99%)	37L	10.0	10.0	10.0	10.0	10.0
2,2',6,6'-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%)	54L	10.0	10.0	10.0	10.0	10.0
3,3',4,4'-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%)	77L	10.0	10.0	10.0	10.0	10.0
3,4,4',5-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%)	81L	10.0	10.0	10.0	10.0	10.0
2,2',4,6,6'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	104L	10.0	10.0	10.0	10.0	10.0
2,3,3',4,4'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	105L	10.0	10.0	10.0	10.0	10.0
2,3,4,4',5-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	114L	10.0	10.0	10.0	10.0	10.0
2,3',4,4',5-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	118L	10.0	10.0	10.0	10.0	10.0
2',3,4,4',5-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	123L	10.0	10.0	10.0	10.0	10.0
3,3',4,4',5-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	126L	10.0	10.0	10.0	10.0	10.0
2,2',4,4',6,6'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	155L	10.0	10.0	10.0	10.0	10.0
2,3,3',4,4',5-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	156L	10.0	10.0	10.0	10.0	10.0
2,3,3',4,4',5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	157L	10.0	10.0	10.0	10.0	10.0
2,3',4,4',5,5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	167L	10.0	10.0	10.0	10.0	10.0
3,3',4,4',5,5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	169L	10.0	10.0	10.0	10.0	10.0
2,2',3,4',5,6,6'-HeptaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	188L	10.0	10.0	10.0	10.0	10.0
2,3,3',4,4',5,5'-HeptaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	189L	10.0	10.0	10.0	10.0	10.0
2,2',3,3',5,5',6,6'-OctaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	202L	10.0	10.0	10.0	10.0	10.0
2,3,3',4,4',5,5',6-OctaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	205L	10.0	10.0	10.0	10.0	10.0
2,2',3,3',4,4',5,5',6-NonaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	206L	10.0	10.0	10.0	10.0	10.0
2,2',3,3',4,5,5',6,6'-NonaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	208L	10.0	10.0	10.0	10.0	10.0
DecaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	209L	10.0	10.0	10.0	10.0	10.0
syringe-a	2,4,4'-TriCB	( <sup>13</sup> C <sub>12</sub> , 99%)	28L	10.0	10.0	10.0	10.0
syringe-a	2,3,3',5,5'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	111L	10.0	10.0	10.0	10.0
syringe-a	2,2',3,3',5,5',6-HeptaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	178L	10.0	10.0	10.0	10.0
syringe-b	2,5-DiCB	( <sup>13</sup> C <sub>12</sub> , 99%)	9L	10.0	10.0	10.0	10.0
syringe-b	2,2',5,5'-TetraCB	( <sup>13</sup> C <sub>12</sub> , 99%)	52L	10.0	10.0	10.0	10.0
syringe-b	2,2',4,5,5'-PentaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	101L	10.0	10.0	10.0	10.0
syringe-b	2,2',3,4,4',5'-HexaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	138L	10.0	10.0	10.0	10.0
syringe-b	2,2',3,3',4,4',5,5'-OctaCB	( <sup>13</sup> C <sub>12</sub> , 99%)	194L	10.0	10.0	10.0	10.0



# PCB-Wide/1668 PCBs 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-4977	PCB-Wide/1668 Cleanup Spike	1.2 mL in nonane	735,000
EC-4977-5	PCB-Wide/1668 Cleanup Spike	5 mL in nonane	1,470,000

Labeled	IUPAC#	Concentration (ng/mL)
2-MonoCB ( <sup>13</sup> C <sub>12</sub> , 99%)	1L	1000
4-MonoCB ( <sup>13</sup> C <sub>12</sub> , 99%)	3L	1000
2,2'-DiCB ( <sup>13</sup> C <sub>12</sub> , 99%)	4L	1000
4,4'-DiCB ( <sup>13</sup> C <sub>12</sub> , 99%)	15L	1000
2,2',6-TriCB ( <sup>13</sup> C <sub>12</sub> , 99%)	19L	1000
3,4,4'-TriCB ( <sup>13</sup> C <sub>12</sub> , 99%)	37L	1000
2,2',6,6'-TetraCB ( <sup>13</sup> C <sub>12</sub> , 98%)	54L	1000
3,3',4,4'-TetraCB ( <sup>13</sup> C <sub>12</sub> , 99%)	77L	1000
3,4,4',5-TetraCB ( <sup>13</sup> C <sub>12</sub> , 99%)	81L	1000
2,2',4,6,6'-PentaCB ( <sup>13</sup> C <sub>12</sub> , 98%)	104L	1000
2,3,3',4,4'-PentaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	105L	1000
2,3,4,4',5-PentaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	114L	1000
2,3',4,4',5-PentaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	118L	1000
2',3,4,4',5-PentaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	123L	1000
3,3',4,4',5-PentaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	126L	1000
2,2',4,4',6,6'-HexaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	155L	1000
2,3,3',4,4',5-HexaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	156L	1000
2,3,3',4,4',5'-HexaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	157L	1000
2,3',4,4',5,5'-HexaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	167L	1000
3,3',4,4',5,5'-HexaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	169L	1000
2,2',3,4',5,6,6'-HeptaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	188L	1000
2,3,3',4,4',5,5'-HeptaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	189L	1000
2,2',3,3',5,5',6,6'-OctaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	202L	1000
2,3,3',4,4',5,5',6-OctaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	205L	1000
2,2',3,3',4,4',5,5',6-NonaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	206L	1000
2,2',3,3',4,5,5',6,6'-NonaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	208L	1000
DecaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	209L	1000

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-4978	PCB-Wide/1668 Syringe-a Spike	1.2 mL in nonane	173,000

Labeled	IUPAC#	Concentration (ng/mL)
2,4,4'-TriCB ( <sup>13</sup> C <sub>12</sub> ,99%)	28L	1.0
2,3,3',5,5'-PentaCB ( <sup>13</sup> C <sub>12</sub> ,99%)	111L	1.0
2,2',3,3',5,5',6-HeptaCB ( <sup>13</sup> C <sub>12</sub> ,99%)	178L	1.0

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-4979	PCB-Wide/1668 Syringe-a Spike	1.2 mL in nonane	495,000

Labeled	IUPAC#	Concentration (ng/mL)
2,5-DiCB ( <sup>13</sup> C <sub>12</sub> ,99%)	9L	5.0
2,2',5,5'-TetraCB ( <sup>13</sup> C <sub>12</sub> ,99%)	52L	5.0
2,2',4,5,5'-PentaCB ( <sup>13</sup> C <sub>12</sub> ,99%)	101L	5.0
2,2',3,4,4',5'-HexaCB ( <sup>13</sup> C <sub>12</sub> ,99%)	138L	5.0
2,2',3,3',4,4',5,5'-OctaCB ( <sup>13</sup> C <sub>12</sub> ,99%)	194L	5.0

# Native PCB 混合標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5433	Comprehensive Native PCB Mixture(Unlabeled) (Native PCB:66異性体を混合した標準溶液です。)	1.2 mL in Isooctane	315,000

Compounds	BZ#	ng/mL	Compounds	BZ#	ng/mL
2-MonoCB	1	2000	2,2',4,6,6'-PentaCB	104	1000
4-MonoCB	3	2000	2,3,3',4,4'-PentaCB	105	1000
2,2'-DiCB	4	2000	2,3,3',4',6-PentaCB	110	1000
2,4'-DiCB	8	2000	2,3,3',5,5'-PentaCB	111	1000
2,5'-DiCB	9	2000	2,3,4,4',5-PentaCB	114	1000
2,6'-DiCB	10	2000	2,3',4,4',5-PentaCB	118	1000
3,3'-DiCB	11	2000	2',3,4,4',5-PentaCB	123	1000
3,4'-DiCB	12	2000	3,3',4,4',5-PentaCB	126	1000
4,4'-DiCB	15	2000	2,2',3,4,4',5'-HexaCB	138	1000
2,2',5-TriCB	18	1000	2,2',3,4',5',6-HexaCB	149	1000
2,2',6-TriCB	19	1000	2,2',4,4',5,5'-HexaCB	153	1000
2,4,4'-TriCB	28	1000	2,2',4,4',6,6'-HexaCB	155	1000
2,4',5-TriCB	31	1000	2,3,3',4,4',5-HexaCB	156	1000
2',3,4-TriCB	33	1000	2,3,3',4,4',5'-HexaCB	157	1000
3,3',4-TriCB	35	1000	2,3,3',4',5,5'-HexaCB	162	1000
3,4,4'-TriCB	37	1000	2,3',4,4',5,5'-HexaCB	167	1000
3,4,5-TriCB	38	1000	3,3',4,4',5,5'-HexaCB	169	1000
2,2',3,5'-TetraCB	44	1000	2,2',3,3',4,4',5-HeptaCB	170	1000
2,2',4,5'-TetraCB	49	1000	2,2',3,3',4,5,6'-HeptaCB	174	1000
2,2',5,5'-TetraCB	52	1000	2,2',3,3',5,5',6-HeptaCB	178	1000
2,2',6,6'-TetraCB	54	1000	2,2',3,4,4',5,5'-HeptaCB	180	1000
2,3,3',5-TetraCB	57	1000	2,2',3,4',5,5',6-HeptaCB	187	1000
2,3',4,4'-TetraCB	66	1000	2,2',3,4',5,6,6'-HeptaCB	188	1000
2,3',4',5-TetraCB	70	1000	2,3,3',4,4',5,5'-HeptaCB	189	1000
2,4,4',5-TetraCB	74	1000	2,2',3,3',4,4',5,5'-OctaCB	194	1000
3,3',4,4'-TetraCB	77	1000	2,2',3,3',4,4',5,6-OctaCB	195	1000
3,3',4,5-TetraCB	78	1000	2,2',3,3',4,5,6,6'-OctaCB	199	1000
3,3',4,5'-TetraCB	79	1000	2,2',3,3',5,5',6,6'-OctaCB	202	1000
3,4,4',5-TetraCB	81	1000	2,2',3,4,4',5,5',6-OctaCB	203	1000
2,2',3,4,5'-PentaCB	87	1000	2,3,3',4,4',5,5',6-OctaCB	205	1000
2,2',3,5',6-PentaCB	95	1000	2,2',3,3',4,4',5,5',6-NonaCB	206	1000
2,2',4,4',5-PentaCB	99	1000	2,2',3,3',4,5,5',6,6'-NonaCB	208	1000
2,2',4,5,5'-PentaCB	101	1000	DecaCB	209	1000

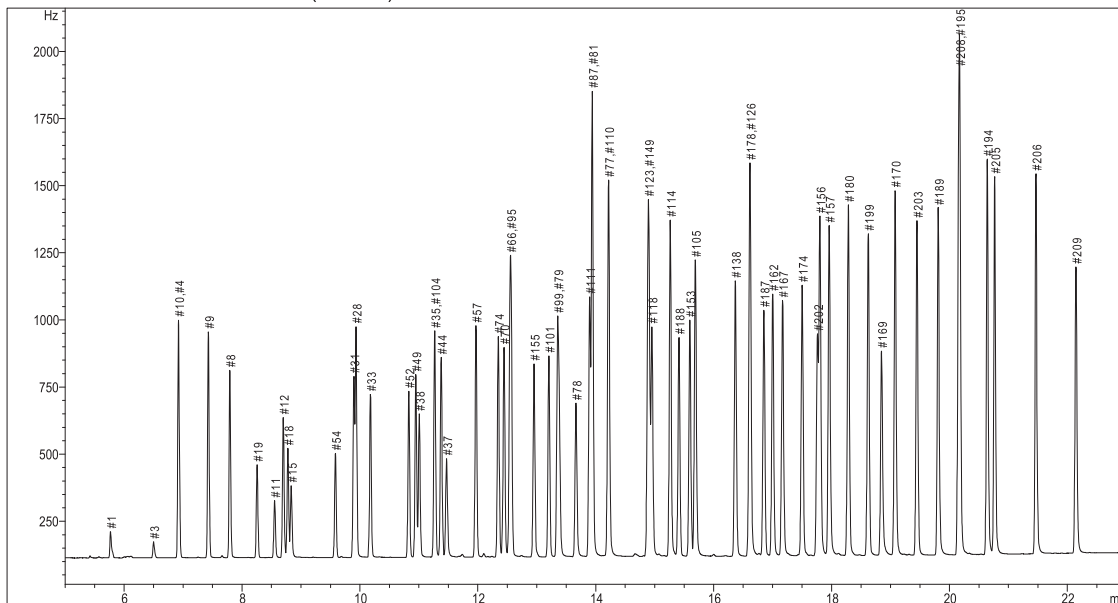
PCB製品に含まれる主要異性体や環境試料中の主要成分であるNativeの66異性体もしくは44異性体を混合した標準物質です。前処理法の適性を検討する際、これらを用いて添加回収試験を実施することによって、主要異性体の挙動を把握することが可能です。  
任意濃度の<sup>13</sup>C混合溶液を用いて調製することにより検量線溶液を作成できます。

### GC/ECD測定条件

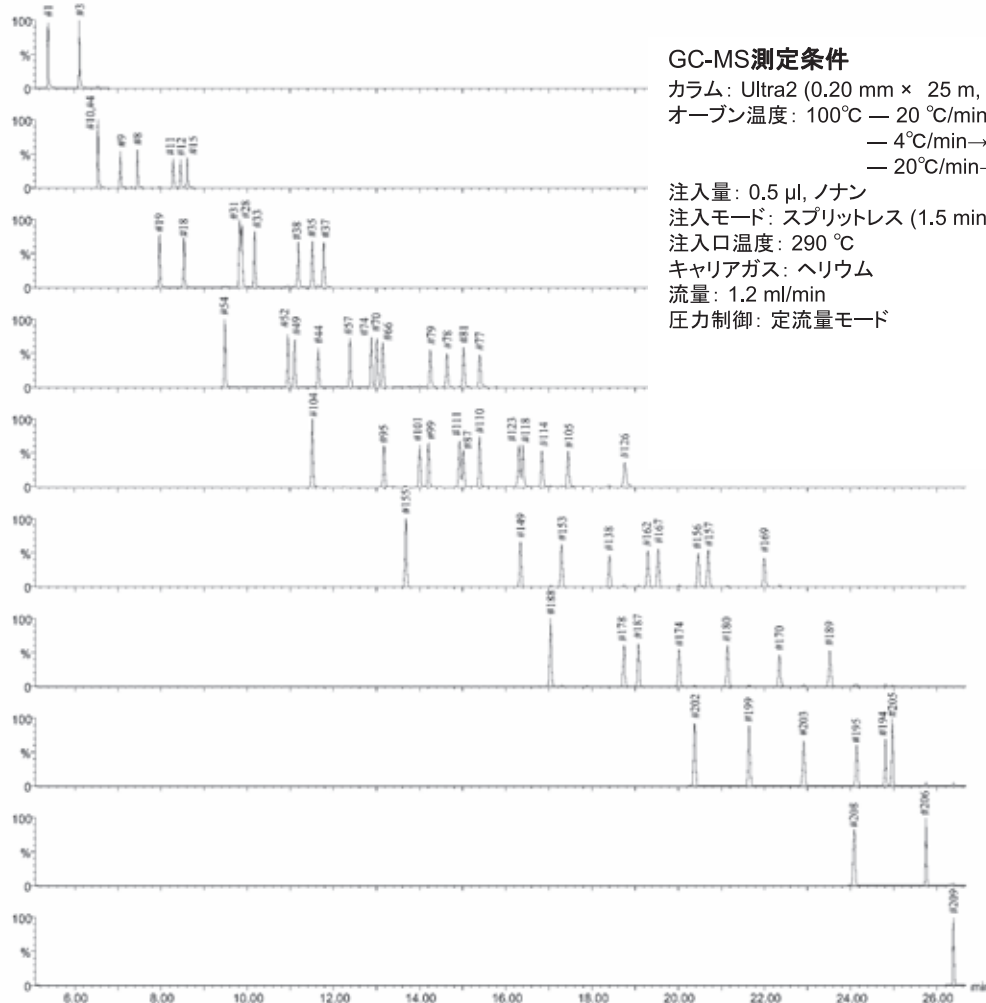
カラム: DB-5 (0.18 mm × 20 m, 0.18 μm, J&W)  
オープン温度: 100 °C (1.5 min)  
— 30 °C/min → 160 °C  
— 6 °C/min → 250 °C  
— 10 °C/min → 280 °C (2 min)

注入量: 2 μl, トルエン  
注入モード: スプリットレス (1.5 min)

注入口温度: 250 °C  
キャリアガス: ヘリウム  
流量: 0.90 ml/min (177.5 kPa, 36.8 cm/s at 100 °C)  
圧力制御: 定流量モード  
検出器温度: 320 °C  
メイクアップガス: 窒素  
流量: 30 ml/min



測定: 三浦工業株式会社 三浦環境科学研究所



### GC-MS測定条件

カラム: Ultra2 (0.20 mm × 25 m, 0.33 μm, Agilent)  
オープン温度: 100°C — 20 °C/min → 180°C  
— 4°C/min → 260°C  
— 20°C/min → 300°C (4min)

注入量: 0.5 μl, ノナン  
注入モード: スプリットレス (1.5 min)  
注入口温度: 290 °C  
キャリアガス: ヘリウム  
流量: 1.2 ml/min  
圧力制御: 定流量モード

測定: 大塚製薬株式会社

# Native PCB 混合標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5434	Fully Resolved Native Mono-Deca PCB Mixture(Unlabeled) (Native PCB:44異性体を混合した標準溶液です。)	1.2 mL in Isooctane	225,000

Compounds	BZ#	ng/mL	Compounds	BZ#	ng/mL
2-MonoCB	1	2000	2,2',4,4',5-PentaCB	99	1000
4-MonoCB	3	2000	2,2',4,6,6'-PentaCB	104	1000
2,4'-DiCB	8	2000	2,3,4,4',5-PentaCB	114	1000
2,5-DiCB	9	2000	2,3',4,4',5-PentaCB	118	1000
2,6-DiCB	10	2000	2',3,4,4',5-PentaCB	123	1000
3,4-DiCB	12	2000	3,3',4,4',5-PentaCB	126	1000
4,4'-DiCB	15	2000	2,2',4,4',5,5'-HexaCB	153	1000
2,2',5-TriCB	18	1000	2,2',4,4',6,6'-HexaCB	155	1000
2,2',6-TriCB	19	1000	2,3,3',4,4',5-HexaCB	156	1000
2',3,4-TriCB	33	1000	2,3,3',4,4',5'-HexaCB	157	1000
3,3',4-TriCB	35	1000	2,3,3',4',5,5'-HexaCB	162	1000
3,4,4'-TriCB	37	1000	2,3',4,4',5,5'-HexaCB	167	1000
3,4,5-TriCB	38	1000	3,3',4,4',5,5'-HexaCB	169	1000
2,2',3,5'-TetraCB	44	1000	2,2',3,4',5,6,6'-HeptaCB	188	1000
2,2',5,5'-TetraCB	52	1000	2,3,3',4,4',5,5'-HeptaCB	189	1000
2,2',6,6'-TetraCB	54	1000	2,2',3,3',4,4',5,5'-OctaCB	194	1000
2,3,3',5-TetraCB	57	1000	2,2',3,3',4,4',5,6-OctaCB	195	1000
2,4,4',5-TetraCB	74	1000	2,2',3,3',5,5',6,6'-OctaCB	202	1000
3,3',4,4'-TetraCB	77	1000	2,3,3',4,4',5,5',6-OctaCB	205	1000
3,3',4,5-TetraCB	78	1000	2,2',3,3',4,4',5,5',6-NonaCB	206	1000
3,3',4,5'-TetraCB	79	1000	2,2',3,3',4,5,5',6,6'-NonaCB	208	1000
3,4,4',5 TetraCB	81	1000	DecaCB	209	1000

- PCDDs/PCDFs/DL-PCBs 定量分析用標準溶液
- PCDDs/PCDFs 定量分析用標準溶液
- Two\_column PCDDs/PCDFs 定量分析用標準溶液
- Two\_column DL-PCBs 定量分析用標準溶液
- DL-PCBs 定量分析用標準溶液





# PCDDs/PCDFs/DL-PCBs 定量分析用標準溶液

## 検量線作製用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5392	New JIS PCDDs/PCDFs 検量線溶液セット(シリーズK)	6 ampoules x 0.2 mL in nonane	795,000
EDF-5392-4	New JIS PCDDs/PCDFs 検量線溶液 測定管理用 CS 4 (シリーズK)	1 ampoule x 0.2 mL in nonane	143,000

		Concentration (ng/mL)						
Unlabeled		CS1	CS2	CS3	CS4	CS5	CS6	
	2,3,7,8-TeCDF	0.1	0.5	2	10	50	200	
	1,3,6,8-TeCDF	0.1	0.5	2	10	50	200	
	1,2,7,8-TeCDF	0.1	0.5	2	10	50	200	
	1,2,8,9-TeCDF	0.1	0.5	2	10	50	200	
	1,2,3,7,8-PeCDF	0.1	0.5	2	10	50	200	
	2,3,4,7,8-PeCDF	0.1	0.5	2	10	50	200	
	1,2,3,4,7,8-HxCDF	0.2	1	4	20	100	400	
	1,2,3,6,7,8-HxCDF	0.2	1	4	20	100	400	
	2,3,4,6,7,8-HxCDF	0.2	1	4	20	100	400	
	1,2,3,7,8,9-HxCDF	0.2	1	4	20	100	400	
	1,2,3,4,6,7,8-HpCDF	0.2	1	4	20	100	400	
	1,2,3,4,7,8,9-HpCDF	0.2	1	4	20	100	400	
	OCDF	0.5	2.5	10	50	250	1000	
	2,3,7,8-TeCDD	0.1	0.5	2	10	50	200	
	1,3,6,8-TeCDD	0.1	0.5	2	10	50	200	
	1,3,7,9-TeCDD	0.1	0.5	2	10	50	200	
	1,2,8,9-TeCDD	0.1	0.5	2	10	50	200	
	1,2,3,7,8-PeCDD	0.1	0.5	2	10	50	200	
	1,2,3,4,7,8-HxCDD	0.2	1	4	20	100	400	
	1,2,3,6,7,8-HxCDD	0.2	1	4	20	100	400	
	1,2,3,7,8,9-HxCDD	0.2	1	4	20	100	400	
	1,2,3,4,6,7,8-HpCDD	0.2	1	4	20	100	400	
	OCDD	0.5	2.5	10	50	250	1000	
Labeled		CS1	CS2	CS3	CS4	CS5	CS6	
Sampling Syringe	2,3,7,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	1,3,6,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	1,2,3,4-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	1,2,7,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	1,2,3,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	2,3,4,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	1,2,3,4,6-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	1,2,3,4,6,9-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	1,2,3,4,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	1,2,3,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
Syringe	2,3,4,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	1,2,3,7,8,9-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	1,2,3,4,6,7,8-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	1,2,3,4,7,8,9-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
	OCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20	
	Sampling	1,2,3,4-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10
		1,3,6,8-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10
		2,3,7,8-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10
		1,2,3,7,8-PeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10
		1,2,3,4,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10
1,2,3,6,7,8-HxCDD		( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
1,2,3,7,8,9-HxCDD		( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
1,2,3,4,6,7,8-HpCDD		( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	
OCDD		( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20	

- ・スパイク類は使用時におけるトレーサビリティの連続性を重視しています。  
アンプル開封後、溶液をそのまま使用することによって、トレーサビリティはメーカーへと直結します。
- ・JIS改正に対応して、総ての2,3,7,8体を定量対象としました。
- ・4-7塩素数毎にシリンジスパイクを設定することによって、より正確な回収率を求めることができます。

## 検量線作製用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5396	New JIS DL-PCBs 検量線溶液セット(シリーズK)	6 ampoules x 0.2 mL in nonane	705,000
EC-5396-CS4	New JIS DL-PCBs 検量線溶液 測定管理用 CS 4 (シリーズK)	1 ampoule x 0.2 mL in nonane	113,000

		Concentration (ng/mL)						
	Unlabeled	IUPAC#	CS1	CS2	CS3	CS4	CS5	CS6
Non-ortho	3,4,4',5'-TeCB	81	0.2	0.5	2	10	50	200
	3,3',4,4'-TeCB	77	0.2	0.5	2	10	50	200
	3,3',4,4',5'-PeCB	126	0.2	0.5	2	10	50	200
	3,3',4,4',5,5'-HxCB	169	0.2	0.5	2	10	50	200
Mono-ortho	2',3,4,4',5'-PeCB	123	0.2	0.5	2	10	50	200
	2,3',4,4',5'-PeCB	118	0.2	0.5	2	10	50	200
	2,3,3',4,4'-PeCB	105	0.2	0.5	2	10	50	200
	2,3,4,4',5'-PeCB	114	0.2	0.5	2	10	50	200
	2,3',4,4',5,5'-HxCB	167	0.2	0.5	2	10	50	200
	2,3,3',4,4',5'-HxCB	156	0.2	0.5	2	10	50	200
	2,3,3',4,4',5'-HxCB	157	0.2	0.5	2	10	50	200
	2,3,3',4,4',5,5'-HpCB	189	0.2	0.5	2	10	50	200
	Di-ortho	2,2',3,3',4,4',5'-HpCB	170	0.2	0.5	2	10	50
2,2',3,4,4',5,5'-HpCB		180	0.2	0.5	2	10	50	200

	Labeled	IUPAC#	CS1	CS2	CS3	CS4	CS5	CS6
Non-ortho	3,4,4',5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	81	10	10	10	10	10
	3,3',4,4'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	77	10	10	10	10	10
	3,3',4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	126	10	10	10	10	10
	3,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	169	10	10	10	10	10
Mono-ortho	2',3,4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	123	10	10	10	10	10
	2,3',4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	118	10	10	10	10	10
	2,3,3',4,4'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	105	10	10	10	10	10
	2,3,4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	114	10	10	10	10	10
	2,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	167	10	10	10	10	10
	2,3,3',4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	156	10	10	10	10	10
	2,3,3',4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	157	10	10	10	10	10
	2,3,3',4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	189	10	10	10	10	10
	Di-ortho	2,2',3,3',4,4',5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	170	10	10	10	10
2,2',3,4,4',5,5'-HpCB		( <sup>13</sup> C <sub>12</sub> , 99%)	180	10	10	10	10	10
Syringe	2,3',4,4',5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	70	10	10	10	10	10
Syringe	2,3,3',5,5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	111	10	10	10	10	10
Syringe	2,2',3,4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	138	10	10	10	10	10
Syringe	2,2',3,3',5,5',6'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	178	10	10	10	10	10
Sampling	3,3',4,5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	79	10	10	10	10	10

# PCDDs/PCDFs/DL-PCBs 定量分析用標準溶液

## 各種内部標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5393	New JIS PCDDs/PCDFs/DL-PCB クリーンアップスパイク(シリーズK)	1.2 mL in nonane	165,000

Labeled	IUPAC#	Concentration (ng/mL)
2,3,7,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,3,6,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
2,3,4,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,4,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
2,3,4,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,7,8,9-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,4,6,7,8-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,4,7,8,9-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
OCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	40
2,3,7,8-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,3,6,8-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,7,8-PeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,4,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,6,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,7,8,9-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,4,6,7,8-HpCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	20
OCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	40
Non-ortho 3,4,4',5-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 81	20
3,3',4,4'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 77	20
3,3',4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 126	20
3,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 169	20
Mono-ortho 2',3,4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 123	20
2,3',4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 118	20
2,3,3',4,4'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 105	20
2,3,4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 114	20
2,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 167	20
2,3,3',4,4',5-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 156	20
2,3,3',4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 157	20
2,3,3',4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%) 189	20
Di-ortho 2,2',3,3',4,4',5-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%) 170	20
2,2',3,4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%) 180	20

## 各種内部標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EF-5394	New JIS PCDDs/PCDFs シリンジスパイク(シリーズK)	1.2 mL in nonane	68,000

Labeled		Concentration (ng/mL)
1,2,7,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,4,6,9-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20
1,2,3,4,6,8,9-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5397	New JIS DL-PCB シリンジスパイク(シリーズK)	1.2 mL in nonane	41,000

Labeled		IUPAC#	Concentration (ng/mL)
2,3',4',5-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	70	20
2,3,3',5,5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	111	20
2,2',3,4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	138	20
2,2',3,3',5,5',6-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	178	20

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5395	New JIS PCDDs/PCDFs/DL-PCB サンプルングスパイク(シリーズK)	1.2 mL in nonane	62,000

Labeled		IUPAC#	Concentration (ng/mL)
1,2,3,4-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)		50
1,2,3,4-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)		50
3,3',4,5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	79	50

# PCDDs/PCDFs 定量分析用標準溶液

## 検量線作製用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)	
EDF-5327-H	NEW JIS Method 検量線溶液	基本セット (CS1H から CS6H)	6 ampoules x 0.2 mL in nonane	675,000
EDF-5327-H-E	NEW JIS Method 検量線溶液	フルセット (基本セット+CS0.2H+CS7H)	8 ampoules x 0.2 mL in nonane	825,000
EDF-5327-CS0.2H	NEW JIS Method 検量線溶液	低濃度用CS0.2H	1 ampoule x 0.2 mL in nonane	119,000
EDF-5327-CS7H	NEW JIS Method 検量線溶液	高濃度用CS7H	1 ampoule x 0.2 mL in nonane	119,000
EDF-5327-CS3H	NEW JIS Method 検量線溶液	測定管理用CS3H	1 ampoule x 0.2 mL in nonane	119,000

		Concentration (ng/mL)								
Unlabeled		CS1H	CS2H	CS3H	CS4H	CS5H	CS6H	CS0.2H	CS7H	
	2,3,7,8-TeCDF	0.1	0.5	2	10	50	200	0.02	500	
	1,3,6,8-TeCDF	0.1	0.5	2	10	50	200	0.02	500	
	1,2,7,8-TeCDF	0.1	0.5	2	10	50	200	0.02	500	
	1,2,8,9-TeCDF	0.1	0.5	2	10	50	200	0.02	500	
	1,2,3,7,8-PeCDF	0.1	0.5	2	10	50	200	0.02	500	
	2,3,4,7,8-PeCDF	0.1	0.5	2	10	50	200	0.02	500	
	1,2,3,4,7,8-HxCDF	0.2	1	4	20	100	400	0.04	1000	
	1,2,3,6,7,8-HxCDF	0.2	1	4	20	100	400	0.04	1000	
	2,3,4,6,7,8-HxCDF	0.2	1	4	20	100	400	0.04	1000	
	1,2,3,7,8,9-HxCDF	0.2	1	4	20	100	400	0.04	1000	
	1,2,3,4,6,7,8-HpCDF	0.2	1	4	20	100	400	0.04	1000	
	1,2,3,4,7,8,9-HpCDF	0.2	1	4	20	100	400	0.04	1000	
	OCDF	0.5	2.5	10	50	250	1000	0.10	2500	
	2,3,7,8-TeCDD	0.1	0.5	2	10	50	200	0.02	500	
	1,3,6,8-TeCDD	0.1	0.5	2	10	50	200	0.02	500	
	1,3,7,9-TeCDD	0.1	0.5	2	10	50	200	0.02	500	
	1,2,8,9-TeCDD	0.1	0.5	2	10	50	200	0.02	500	
	1,2,3,7,8-PeCDD	0.1	0.5	2	10	50	200	0.02	500	
	1,2,3,4,7,8-HxCDD	0.2	1	4	20	100	400	0.04	1000	
	1,2,3,6,7,8-HxCDD	0.2	1	4	20	100	400	0.04	1000	
	1,2,3,7,8,9-HxCDD	0.2	1	4	20	100	400	0.04	1000	
	1,2,3,4,6,7,8-HpCDD	0.2	1	4	20	100	400	0.04	1000	
	OCDD	0.5	2.5	10	50	250	1000	0.10	2500	
Labeled		CS1H	CS2H	CS3H	CS4H	CS5H	CS6H	CS0.2H	CS7H	
Sampling	2,3,7,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,3,6,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,7,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,4-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
Syringe	1,2,3,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	2,3,4,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,4,6,9-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,4,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	2,3,4,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,7,8,9-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,4,6,7,8-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
Syringe	1,2,3,4,6,8,9-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	OCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20	20	20	
Syringe	1,2,3,4-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	2,3,7,8-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
Syringe	1,3,6,8-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,4,7-PeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,7,8-PeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,4,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,6,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,7,8,9-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	1,2,3,4,6,7,8-HpCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	
	OCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20	20	20	

- ・スパイク類は使用時におけるトレーサビリティの連続性を重視しています。アンブル開封後、溶液をそのまま使用することによって、トレーサビリティはメーカーへと直結します。
- ・JIS改正に対応して、総ての2,3,7,8体を定量対象としました。
- ・4-7塩素数毎にシリンジスパイクを設定することによって、より正確な回収率を求めることができます。
- ・オプション溶液の追加によって、検量線の濃度範囲は低濃度から高濃度までをカバーしています。

## 各種内部標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5328	NEW JIS Method クリーンアップスパイク	1.2 mL in nonane	173,000

Labeled		Concentration (ng/mL)
2,3,7,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,3,6,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,7,8-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
2,3,4,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
2,3,4,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,7,8,9-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,6,7,8-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,7,8,9-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
OCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	100
2,3,7,8-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,3,6,8-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,7,8-PeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,6,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,7,8,9-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,6,7,8-HpCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
OCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	100

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5329	NEW JIS Method シリンジスパイク	1.2 mL in nonane	68,000

Labeled		Concentration (ng/mL)
1,2,3,4-TeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,7-PeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,6,9-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,6,8,9-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EF-5330	NEW JIS Method サンプリングスパイク	1.2 mL in nonane	32,000

Labeled		Concentration (ng/mL)
1,2,3,4-TeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50



# Two\_column PCDDs/PCDFs 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5429-7H	Two_column PCDDs/PCDFs Calibration Solutions CS1H-CS7H	7 ampoules x 0.2 mL in nonane	750,000
EDF-5429-6H	Two_column PCDDs/PCDFs Calibration Solutions CS1H-CS6H	6 ampoules x 0.2 mL in nonane	675,000
EDF-5429-CS7H	Two_column PCDDs/PCDFs Calibration Solutions CS7H	1 ampoule x 0.2 mL in nonane	119,000
EDF-5429-CS8H	Two_column PCDDs/PCDFs Calibration Solutions CS8H	1 ampoule x 0.2 mL in nonane	119,000
EDF-5429-CS4H	Two_column PCDDs/PCDFs Calibration Solutions 測定管理用 CS4H	1 ampoule x 0.2 mL in nonane	119,000

		Concentration (ng/mL)							
Unlabeled		CS1H	CS2H	CS3H	CS4H	CS5H	CS6H	CS7H	CS8H
	2,3,7,8-TCDF	0.1	0.5	2	10	50	200	500	1000
	1,3,6,8-TCDF	0.1	0.5	2	10	50	200	500	1000
	1,2,7,8-TCDF	0.1	0.5	2	10	50	200	500	1000
	1,2,8,9-TCDF	0.1	0.5	2	10	50	200	500	1000
	1,2,3,7,8-PeCDF	0.1	0.5	2	10	50	200	500	1000
	2,3,4,7,8-PeCDF	0.1	0.5	2	10	50	200	500	1000
	1,2,3,4,7,8-HxCDF	0.2	1	4	20	100	400	1000	2000
	1,2,3,6,7,8-HxCDF	0.2	1	4	20	100	400	1000	2000
	2,3,4,6,7,8-HxCDF	0.2	1	4	20	100	400	1000	2000
	1,2,3,7,8,9-HxCDF	0.2	1	4	20	100	400	1000	2000
	1,2,3,4,6,7,8-HpCDF	0.2	1	4	20	100	400	1000	2000
	1,2,3,4,7,8,9-HpCDF	0.2	1	4	20	100	400	1000	2000
	OCDF	0.5	2.5	10	50	250	1000	2500	5000
	2,3,7,8-TCDD	0.1	0.5	2	10	50	200	500	1000
	1,3,6,8-TCDD	0.1	0.5	2	10	50	200	500	1000
	1,3,7,9-TCDD	0.1	0.5	2	10	50	200	500	1000
	1,2,8,9-TCDD	0.1	0.5	2	10	50	200	500	1000
	1,2,3,7,8-PeCDD	0.1	0.5	2	10	50	200	500	1000
	1,2,3,4,7,8-HxCDD	0.2	1	4	20	100	400	1000	2000
	1,2,3,6,7,8-HxCDD	0.2	1	4	20	100	400	1000	2000
	1,2,3,7,8,9-HxCDD	0.2	1	4	20	100	400	1000	2000
	1,2,3,4,6,7,8-HpCDD	0.2	1	4	20	100	400	1000	2000
	OCDD	0.5	2.5	10	50	250	1000	2500	5000
Labeled		CS1H	CS2H	CS3H	CS4H	CS5H	CS6H	CS7H	CS8H
	2,3,7,8-TCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,3,6,8-TCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
Syringe	1,2,7,8-TCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,2,3,7,8-PeCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	2,3,4,7,8-PeCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
Syringe	1,2,3,4,6-PeCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,2,3,4,7,8-HxCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,2,3,6,7,8-HxCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	2,3,4,6,7,8-HxCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,2,3,7,8,9-HxCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,2,3,4,6,7,8-HpCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,2,3,4,7,8,9-HpCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
Syringe	1,2,3,4,6,8,9-HpCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	OCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20	20	20	20
Sampling	1,2,3,4-TCDD ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	2,3,7,8-TCDD ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,2,3,7,8-PeCDD ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,2,3,4,7,8-HxCDD ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,2,3,6,7,8-HxCDD ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
Syringe	1,2,3,4,6,7,8-HxCDD ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,2,3,7,8,9-HxCDD ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	10	10
	OCDD ( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20	20	20	20

スパイク類は使用時におけるトレーサビリティの連続性を重視しています。  
 アンプル開封後、溶液をそのまま使用することによって、トレーサビリティはメーカーへと直結します。

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5430	Two_column PCDDs/PCDFs Cleanup Spike	1.2 mL in nonane	173,000

Labeled		Concentration (ng/mL)
2,3,7,8-TCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
2,3,4,7,8-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
2,3,4,6,7,8-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,7,8,9-HxCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,6,7,8-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,7,8,9-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
OCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	100
2,3,7,8-TCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,7,8-PeCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,6,7,8-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,7,8,9-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,6,7,8-HpCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
OCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	100

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5431	Two_column PCDDs/PCDFs Syringe Spike	1.2 mL in nonane	68,000

Labeled		Concentration (ng/mL)
1,2,7,8-TCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,6-PeCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,6,7-HxCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,4,6,8,9-HpCDF	( <sup>13</sup> C <sub>12</sub> , 99%)	50

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ED-5432	Two_column PCDDs/PCDFs Sampling Spike	1.2 mL in nonane	32,000

Labeled		Concentration (ng/mL)
1,2,3,4-TCDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50

# Two\_column DL-PCBs 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5421-H-E	Two_column DL-PCBs Calibration Solutions CS0.4H-CS6H	7 ampoules x 0.2 mL in nonane	795,000
EC-5421-H	Two_column DL-PCBs Calibration Solutions CS1H-CS5H	5 ampoules x 0.2 mL in nonane	659,000
EC-5421-CS0.4H	Two_column DL-PCBs Calibration Solutions CS0.4H	1 ampoule x 0.2 mL in nonane	135,000
EC-5421-CS6H	Two_column DL-PCBs Calibration Solutions CS6H	1 ampoule x 0.2 mL in nonane	135,000
EC-5421-CS3H	Two_column DL-PCBs Calibration Solutions 測定管理用 CS3H	1 ampoule x 0.2 mL in nonane	135,000

		Concentration (ng/mL)								
	Unlabeled	IUPAC#	CS1H	CS2H	CS3H	CS4H	CS5H	CS0.4H	CS6H	
Non-ortho	3,4,4',5-TeCB	81	0.25	1	5	20	100	0.1	500	
	3,3',4,4'-TeCB	77	0.25	1	5	20	100	0.1	500	
	3,3',4,4',5-PeCB	126	0.25	1	5	20	100	0.1	500	
	3,3',4,4',5,5'-HxCB	169	0.25	1	5	20	100	0.1	500	
Mono-ortho	2',3,4,4',5-PeCB	123	0.25	1	5	20	100	0.1	500	
	2,3',4,4',5-PeCB	118	0.5	2	10	40	200	0.2	1000	
	2,3,3',4,4'-PeCB	105	0.5	2	10	40	200	0.2	1000	
	2,3,4,4',5-PeCB	114	0.25	1	5	20	100	0.1	500	
	2,3',4,4',5,5'-HxCB	167	0.25	1	5	20	100	0.1	500	
	2,3,3',4,4',5-HxCB	156	0.5	2	10	40	200	0.2	1000	
	2,3,3',4,4',5'-HxCB	157	0.25	1	5	20	100	0.1	500	
	2,3,3',4,4',5,5'-HpCB	189	0.25	1	5	20	100	0.1	500	
Di-ortho	2,2',3,3',4,4',5-HpCB	170	0.25	1	5	20	100	0.1	500	
	2,2',3,4,4',5,5'-HpCB	180	0.25	1	5	20	100	0.1	500	
		IUPAC#	CS1H	CS2H	CS3H	CS4H	CS5H	CS0.4H	CS6H	
	Labeled									
Non-ortho	3,4,4',5-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	81	10	10	10	10	10	10	
	3,3',4,4'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	77	10	10	10	10	10	10	
	3,3',4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	126	10	10	10	10	10	10	
	3,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	169	10	10	10	10	10	10	
Mono-ortho	2',3,4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	123	10	10	10	10	10	10	
	2,3',4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	118	20	20	20	20	20	20	
	2,3,3',4,4'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	105	20	20	20	20	20	20	
	2,3,4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	114	10	10	10	10	10	10	
	2,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	167	10	10	10	10	10	10	
	2,3,3',4,4',5-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	156	20	20	20	20	20	20	
	2,3,3',4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	157	10	10	10	10	10	10	
	2,3,3',4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	189	10	10	10	10	10	10	
	2,2',3,4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	180	10	10	10	10	10	10	
	Syringe	2,3',4',5-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	70	10	10	10	10	10	10
Syringe	3,3',4,5,5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	127	10	10	10	10	10	10	
Syringe	2,2',3,3',4,4'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	128	10	10	10	10	10	10	
Syringe	2,2',3,3',4,4',5-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	170	10	10	10	10	10	10	
Sampling	2,3,4,4'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	60	10	10	10	10	10	10	
Sampling	2,3,3',5,5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	111	10	10	10	10	10	10	
Sampling	2,3,3',4,5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	159	10	10	10	10	10	10	

スパイク類は使用時におけるトレーサビリティの連続性を重視しています。  
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CATALOG#	COMPOUND			AMOUNT	PRICE (¥)	
EC-5422	Two_column DL-PCBs Cleanup Spike			1.2 mL in nonane	173,000	
EC-5422-10x	Two_column DL-PCBs Cleanup Spike			1.2 mL in nonane	865,000	
	Labeled		IUPAC#	EC-5422	EC-5422-10x	Concentration (ng/mL)
Non-ortho	3,4,4',5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	81	100	1000	
	3,3',4,4'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	77	100	1000	
Mono-ortho	3,3',4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	126	100	1000	
	3,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	169	100	1000	
	2',3,4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	123	100	1000	
	2,3',4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	118	200	2000	
	2,3,3',4,4'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	105	200	2000	
	2,3,4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	114	100	1000	
	2,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	167	100	1000	
	2,3,3',4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	156	200	2000	
	2,3,3',4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	157	100	1000	
	2,3,3',4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	189	100	1000	
	2,2',3,4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	180	100	1000	

CATALOG#	COMPOUND			AMOUNT	PRICE (¥)
EC-5423	Two_column DL-PCBs Syringe Spike			1.2 mL in nonane	75,000
	Labeled		IUPAC#	Concentration (ng/mL)	
	2,3',4',5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	70	100	
	3,3',4,5,5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	127	100	
	2,2',3,3',4,4'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	128	100	
	2,2',3,3',4,4',5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	170	100	

CATALOG#	COMPOUND			AMOUNT	PRICE (¥)
EC-5424	Two_column DL-PCBs Sampling Spike			1.2 mL in nonane	59,000
	Labeled		IUPAC#	Concentration (ng/mL)	
	2,3,4,4'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	60	100	
	2,3,3',5,5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	111	100	
	2,3,3',4,5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	159	100	

# DL-PCBs 定量分析用標準溶液

## 検量線作製用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5323-H	NEW JIS Method DL-PCB 検量線溶液 基本セット (CS1H から CS5H)	5 ampoules x 0.2 mL in nonane	660,000
EC-5323-H-E	NEW JIS Method DL-PCB 検量線溶液 フルセット (基本セット+CS0.4H+CS6H)	7 ampoules x 0.2 mL in nonane	825,000
EC-5323-CS0.4H	NEW JIS Method DL-PCB 検量線溶液 低濃度用CS0.4H	1 ampoule x 0.2 mL in nonane	135,000
EC-5323-CS6H	NEW JIS Method DL-PCB 検量線溶液 高濃度用CS6H	1 ampoule x 0.2 mL in nonane	135,000
EC-5323-CS3H	NEW JIS Method DL-PCB 検量線溶液 測定管理用CS3H	1 ampoule x 0.2 mL in nonane	135,000

		Concentration (ng/mL)								
Unlabeled		IUPAC#	CS1H	CS2H	CS3H	CS4H	CS5H	CS0.4H	CS6H	
Non-ortho	3,4,4',5-TeCB	81	0.25	1	5	20	100	0.1	500	
	3,3',4,4'-TeCB	77	0.25	1	5	20	100	0.1	500	
	3,3',4,4',5-PeCB	126	0.25	1	5	20	100	0.1	500	
	3,3',4,4',5,5'-HxCB	169	0.25	1	5	20	100	0.1	500	
Mono-ortho	2',3,4,4',5-PeCB	123	0.25	1	5	20	100	0.1	500	
	2,3',4,4',5-PeCB	118	0.25	1	5	20	100	0.1	500	
	2,3,3',4,4'-PeCB	105	0.25	1	5	20	100	0.1	500	
	2,3,4,4',5-PeCB	114	0.25	1	5	20	100	0.1	500	
	2,3',4,4',5,5'-HxCB	167	0.25	1	5	20	100	0.1	500	
	2,3,3',4,4',5-HxCB	156	0.25	1	5	20	100	0.1	500	
	2,3,3',4,4',5'-HxCB	157	0.25	1	5	20	100	0.1	500	
	2,3,3',4,4',5,5'-HpCB	189	0.25	1	5	20	100	0.1	500	
Di-ortho	2,2',3,3',4,4',5-HpCB	170	0.25	1	5	20	100	0.1	500	
	2,2',3,4,4',5,5'-HpCB	180	0.25	1	5	20	100	0.1	500	
Labeled		IUPAC#	CS1H	CS2H	CS3H	CS4H	CS5H	CS0.4H	CS6H	
Non-ortho	3,4,4',5-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 81	10	10	10	10	10	10	10	
	3,3',4,4'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 77	10	10	10	10	10	10	10	
	3,3',4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 126	10	10	10	10	10	10	10	
	3,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 169	10	10	10	10	10	10	10	
Mono-ortho	2',3,4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 123	10	10	10	10	10	10	10	
	2,3',4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 118	20	20	20	20	20	20	20	
	2,3,3',4,4'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 105	20	20	20	20	20	20	20	
	2,3,4,4',5-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 114	10	10	10	10	10	10	10	
	2,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 167	10	10	10	10	10	10	10	
	2,3,3',4,4',5-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 156	20	20	20	20	20	20	20	
	2,3,3',4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 157	10	10	10	10	10	10	10	
	2,3,3',4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%) 189	10	10	10	10	10	10	10	
Di-ortho	2,2',3,3',4,4',5-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%) 170	10	10	10	10	10	10	10	
	2,2',3,4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%) 180	10	10	10	10	10	10	10	
Syringe	2,3',4',5-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 70	10	10	10	10	10	10	10	
Syringe	2,3,3',5,5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 111	10	10	10	10	10	10	10	
Syringe	2,2',3,4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%) 138	10	10	10	10	10	10	10	
Syringe	2,2',3,3',5,5',6-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%) 178	10	10	10	10	10	10	10	
Sampling	3,3',4,5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%) 79	10	10	10	10	10	10	10	

## 各種内部標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5324	NEW JIS Method DL-PCB クリーンアップスパイク	1.2 mL in nonane	135,000

	Labeled		IUPAC#	Concentration (ng/mL)
Non-ortho	3,4,4',5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	81	50
	3,3',4,4'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	77	50
	3,3',4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	126	50
	3,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	169	50
Mono-ortho	2',3,4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	123	50
	2,3',4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	118	100
	2,3,3',4,4'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	105	100
	2,3,4,4',5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	114	50
	2,3',4,4',5,5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	167	50
	2,3,3',4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	156	100
	2,3,3',4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	157	50
	2,3,3',4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	189	50
Di-ortho	2,2',3,3',4,4',5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	170	50
	2,2',3,4,4',5,5'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	180	50

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5325	NEW JIS Method DL-PCB シリンジスパイク	1.2 mL in nonane	62,000

	Labeled		IUPAC#	Concentration (ng/mL)
	2,3',4',5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	70	50
	2,3,3',5,5'-PeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	111	50
	2,2',3,4,4',5'-HxCB	( <sup>13</sup> C <sub>12</sub> , 99%)	138	50
	2,2',3,3',5,5',6'-HpCB	( <sup>13</sup> C <sub>12</sub> , 99%)	178	50

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5326	NEW JIS Method DL-PCB サンプリングスパイク	1.2 mL in nonane	24,000

	Labeled		IUPAC#	Concentration (ng/mL)
	3,3',4,5'-TeCB	( <sup>13</sup> C <sub>12</sub> , 99%)	79	50





• 臭素化ダイオキシン PBDDs/PBDFs 定量分析用標準溶液



# 臭素化ダイオキシン PBDDs/PBDFs 定量分析用標準溶液

## Bromodioxin/Furan Calibration Solutions

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5407	Bromodioxin/Furan Calibration Standard Solutions [CS1-CS5]	Set of 5 x 0.2mL in Nonane	719,000

All concentrations are in ng/mL(ppb)

Unlabeled	CS1	CS2	CS3	CS4	CS5
2,3,7,8-TBDD	0.1	0.4	2.0	10	50
1,2,3,7,8-PeBDD	0.2	0.8	4.0	20	100
1,2,3,4,7,8-HxBDD	0.6	2.4	12.0	60	300
1,2,3,6,7,8-HxBDD	0.6	2.4	12.0	60	300
1,2,3,7,8,9-HxBDD	0.6	2.4	12.0	60	300
1,2,3,4,6,7,8-HpBDD	0.75	3.0	15.0	75	375
OBDD	1.0	4.0	20.0	100	500
2,3,7,8-TBDF	0.2	0.8	4.0	20	100
2,4,6,8-TBDF	0.2	0.8	4.0	20	100
1,2,3,7,8-PeBDF	0.4	1.6	8.0	40	200
2,3,4,7,8-PeBDF	0.4	1.6	8.0	40	200
1,2,3,4,7,8-HxCDF	0.6	2.4	12.0	60	300
1,2,3,4,6,7,8-HpBDF	0.75	3.0	15.0	75	375
OBDF	1.0	4.0	20.0	100	500
Labeled	CS1	CS2	CS3	CS4	CS5
2,3,7,8-TBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20
1,2,3,7,8-PeBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20
1,2,3,4,7,8-HxBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	50	50	50	50	50
1,2,3,6,7,8-HxBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	50	50	50	50	50
1,2,3,7,8,9-HxBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	50	50	50	50	50
1,2,3,4,6,7,8-HpBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	100	100	100	100	100
OBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	150	150	150	150	150
2,3,7,8-TBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20
2,4,6,8-TBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20
1,2,3,7,8-PeBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20
2,3,4,7,8-PeBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20
1,2,3,4,7,8-HxCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	50	50	50	50	50
1,2,3,4,6,7,8-HpBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	100	100	100	100	100
OBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	150	150	150	150	150

**Bromodioxin/Furan Standard Mixtures**

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5408	Bromodioxin/Furan Cleanup Spike	0.5 mL in Nonane	705,000

Labeled	(ng/mL)
2,3,7,8-TBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	100
1,2,3,7,8-PeBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	100
1,2,3,4,7,8-HxBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	250
1,2,3,6,7,8-HxBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	250
1,2,3,4,6,7,8-HpBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	500
OBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	750
2,3,7,8-TBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	100
2,3,4,7,8-PeBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	100
1,2,3,4,7,8-HxCDF ( <sup>13</sup> C <sub>12</sub> , 99%)	250
1,2,3,4,6,7,8-HpBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	500
OBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	750

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5409	Bromodioxin/Furan Syringe Spike	1.2 mL in Nonane	149,000

Labeled	(ng/mL)
1,2,3,7,8,9-HxBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	500
1,2,3,7,8-PeBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	200

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EF-5410	Bromodioxin/Furan Sampling Spike	1.2 mL in Nonane	62,000

Labeled	(ng/mL)
2,4,6,8-TBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	200

# 臭素化ダイオキシン PBDDs/PBDFs 定量分析用標準溶液

## 検量線作製用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5381	PBDDs/PBDFs Calibration Solutions CS1-CS7	7 ampoules x 0.2 mL in nonane	855,000
EDF-5381-CS3	PBDDs/PBDFs Calibration Solution 測定管理用 CS3	1 ampoule x 0.2 mL in nonane	168,000

		Concentration (ng/mL)						
Unlabeled		CS1	CS2	CS3	CS4	CS5	CS6	CS7
2,3,7,8-TeBDD		0.1	0.4	2	10	20	40	---
1,2,3,7,8-PeBDD		0.2	0.8	4	20	40	80	---
1,2,3,4,7,8-HxBDD		0.75	3	15	75	150	300	---
1,2,3,6,7,8-HxBDD		0.75	3	15	75	150	300	---
1,2,3,7,8,9-HxBDD		0.75	3	15	75	150	300	---
OBDD		1	4	20	100	200	400	800
2,3,7,8-TeBDF		0.5	2	10	50	100	200	---
2,4,6,8-TeBDF		0.5	2	10	50	100	200	---
1,2,3,7,8-PeBDF		0.5	2	10	50	100	200	---
2,3,4,7,8-PeBDF		0.5	2	10	50	100	200	---
1,2,3,4,7,8-HxBDF		0.75	3	15	75	150	300	---
1,2,3,4,6,7,8-HpBDF		0.75	3	15	75	150	300	600
OBDF		1	4	20	100	200	400	800
Labeled		CS1	CS2	CS3	CS4	CS5	CS6	CS7
2,3,7,8-TeBDD	( <sup>13</sup> C <sub>12</sub> , 99%)	10	10	10	10	10	10	---
1,2,3,7,8-PeBDD	( <sup>13</sup> C <sub>12</sub> , 99%)	20	20	20	20	20	20	---
1,2,3,4,7,8-HxBDD	( <sup>13</sup> C <sub>12</sub> , 99%)	75	75	75	75	75	75	---
1,2,3,6,7,8-HxBDD	( <sup>13</sup> C <sub>12</sub> , 99%)	75	75	75	75	75	75	---
Syringe Spike	1,2,3,7,8,9-HxBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	100	100	100	100	100	100	100
	OBDD ( <sup>13</sup> C <sub>12</sub> , 99%)	225	225	225	225	225	225	225
	2,3,7,8-TeBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	40	40	40	40	40	40	---
Sampling Spike	2,4,6,8-TeBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	40	40	40	40	40	40	---
Syringe Spike	1,2,3,7,8-PeBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	40	40	40	40	40	40	---
	2,3,4,7,8-PeBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	40	40	40	40	40	40	---
	1,2,3,4,7,8-HxBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	40	40	40	40	40	40	---
	1,2,3,4,6,7,8-HpBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	100	100	100	100	100	100	100
	OBDF ( <sup>13</sup> C <sub>12</sub> , 99%)	225	225	225	225	225	225	225

## 各種内部標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5382	PBDDs/PBDFs Cleanup Spike	0.5mL in nonane	563,000

Labeled		Concentration (ng/mL)
2,3,7,8-TeBDD	( <sup>13</sup> C <sub>12</sub> , 99%)	50
1,2,3,7,8-PeBDD	( <sup>13</sup> C <sub>12</sub> , 99%)	100
1,2,3,4,7,8-HxBDD	( <sup>13</sup> C <sub>12</sub> , 99%)	375
1,2,3,6,7,8-HxBDD	( <sup>13</sup> C <sub>12</sub> , 99%)	375
OBDD	( <sup>13</sup> C <sub>12</sub> , 99%)	1125
2,3,7,8-TeBDF	( <sup>13</sup> C <sub>12</sub> , 99%)	200
2,3,4,7,8-PeBDF	( <sup>13</sup> C <sub>12</sub> , 99%)	200
1,2,3,4,7,8-HxBDF	( <sup>13</sup> C <sub>12</sub> , 99%)	375
1,2,3,4,6,7,8-HpBDF	( <sup>13</sup> C <sub>12</sub> , 99%)	500
OBDF	( <sup>13</sup> C <sub>12</sub> , 99%)	1125

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EDF-5383	PBDDs/PBDFs Syringe Spike	1.2mL in nonane	180,000
EDF-5383-4x	PBDDs/PBDFs Syringe Spike (4倍濃度)	1.2mL in nonane	308,000

Labeled		Concentration (ng/mL)	
		EDF-5383	EDF-5383-4x
1,2,3,7,8,9-HxBDD	( <sup>13</sup> C <sub>12</sub> , 99%)	500	2000
1,2,3,7,8-PeBDF	( <sup>13</sup> C <sub>12</sub> , 99%)	200	800

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EF-5384	PBDDs/PBDFs Sampling Spike	1.2mL in nonane	84,000
EF-5384-4x	PBDDs/PBDFs Sampling Spike (4倍濃度)	1.2mL in nonane	135,000

Labeled		Concentration (ng/mL)	
		EF-5384	EF-5384-4x
2,4,6,8-TeBDF	( <sup>13</sup> C <sub>12</sub> , 99%)	200	800





•RoHS 指令対応 PBDEs 定量分析用標準溶液



# RoHS 指令対応 PBDEs 定量分析用標準溶液

CATALOG#	COMPOUND		AMOUNT	PRICE (¥)	
EO-5425	RoHS 指令対応 PBDEs Calibration Solutions CS1,CS2,CS3 (Quadropole-GC/MS)		3 ampoules x 0.2 mL in nonane	345,000	
			Concentration ( $\mu\text{g/mL}$ )		
	Unlabeled	BDE#	CS1	CS2	CS3
	Decabromo diphenyl ether	209	0.5	2.5	2.5
	2,2',3,3',4,4',5,5',6-Nonabromo diphenyl ether	206	0.1	0.5	5
	2,2',3,3',4,4',5,6,6'-Nonabromo diphenyl ether	207	0.05	0.25	2.5
	2,2',3,3',4,5,5',6,6'-Nonabromo diphenyl ether	208	0.05	0.25	2.5
	2,2',3,3',4,4',6,6'-Octabromo diphenyl ether	197	0.05	0.25	2.5
	2,2',3,4,4',5',6-Heptabromo diphenyl ether	183	0.02	0.1	1
	2,2',4,4',5,5'-Hexabromo diphenyl ether	153	0.02	0.1	1
	2,2',4,4',5,6'-Hexabromo diphenyl ether	154	0.02	0.1	1
	2,2',4,4',5-Pentabromo diphenyl ether	99	0.02	0.1	1
	2,2',4,4'-Tetrabromo diphenyl ether	47	0.02	0.1	1
	2,4,4'-Tribromo diphenyl ether	28	0.02	0.1	1
	4,4'-Dibromo diphenyl ether	15	0.02	0.1	1
	Labeled	BDE#	CS1	CS2	CS3
	Decabromodiphenyl ether	209	2.5	2.5	2.5
	2,2',3,3',4,4',5,5',6-Nonabromo diphenyl ether ( $^{13}\text{C}_{12}$ , 99%)	206	0.5	0.5	0.5
Syringe	2,2',3,3',4,4',5,6,6'-Nonabromo diphenyl ether ( $^{13}\text{C}_{12}$ , 99%)	207	0.25	0.25	0.25
	2,2',3,3',4,5,5',6,6'-Nonabromo diphenyl ether ( $^{13}\text{C}_{12}$ , 99%)	208	0.25	0.25	0.25
	2,2',3,3',4,4',6,6'-Octabromo diphenyl ether ( $^{13}\text{C}_{12}$ , 99%)	197	0.25	0.25	0.25
	2,2',3,4,4',5',6-Heptabromo diphenyl ether ( $^{13}\text{C}_{12}$ , 99%)	183	0.1	0.1	0.1
	2,2',4,4',5,5'-Hexabromo diphenyl ether ( $^{13}\text{C}_{12}$ , 99%)	153	0.1	0.1	0.1
	2,2',4,4',5,6'-Hexabromo diphenyl ether ( $^{13}\text{C}_{12}$ , 99%)	154	0.1	0.1	0.1
	2,2',4,4',5-Pentabromo diphenyl ether ( $^{13}\text{C}_{12}$ , 99%)	99	0.1	0.1	0.1
	2,2',4,4'-Tetrabromo diphenyl ether ( $^{13}\text{C}_{12}$ , 99%)	47	0.1	0.1	0.1
	2,4,4'-Tribromo diphenyl ether ( $^{13}\text{C}_{12}$ , 99%)	28	0.1	0.1	0.1
	4,4'-Dibromo diphenyl ether ( $^{13}\text{C}_{12}$ , 99%)	15	0.1	0.1	0.1

RoHS指令に対応したPBDE検量線作成用の標準溶液と対応するスパイク類です。  
 DecabromoDEをターゲットとして、Nonabromo体からDibromo体までをカバーする標準溶液です。  
 測定機器はQP-GC/MSを対象としています。  
 回収率はNonabromoDE(#207)にて算出可能です。  
 クリーンアップスパイクはランニングコストを重視し、異性体の数を減らしています。

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EO-5426	RoHS 指令対応 PBDEs Cleanup Spike	1.2 mL in nonane	269,000
	Labeled	BDE#	Concentration (µg/mL)
	Decabromodiphenyl ether	( <sup>13</sup> C <sub>12</sub> , 99%) 209	25
	2,2',3,3',4,4',5,5',6-Nonabromo diphenyl ether	( <sup>13</sup> C <sub>12</sub> , 99%) 206	5
	2,2',3,3',4,5,5',6,6'-Nonabromo diphenyl ether	( <sup>13</sup> C <sub>12</sub> , 99%) 208	2.5
	2,2',3,3',4,4',6,6'-Octabromo diphenyl ether	( <sup>13</sup> C <sub>12</sub> , 99%) 197	2.5
	2,2',3,4,4',5,6-Heptabromo diphenyl ether	( <sup>13</sup> C <sub>12</sub> , 99%) 183	1
	2,2',4,4',5,5'-Hexabromo diphenyl ether	( <sup>13</sup> C <sub>12</sub> , 99%) 153	1
	2,2',4,4',5,6'-Hexabromo diphenyl ether	( <sup>13</sup> C <sub>12</sub> , 99%) 154	1
	2,2',4,4',5-Pentabromo diphenyl ether	( <sup>13</sup> C <sub>12</sub> , 99%) 99	1
	2,2',4,4'-Tetrabromo diphenyl ether	( <sup>13</sup> C <sub>12</sub> , 99%) 47	1
	2,4,4'-Tribromo diphenyl ether	( <sup>13</sup> C <sub>12</sub> , 99%) 28	1
	4,4'-Dibromo diphenyl ether	( <sup>13</sup> C <sub>12</sub> , 99%) 15	1

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EO-5427	RoHS 指令対応 PBDEs Syringe Spike	1.2 mL in nonane	53,000
	Labeled	BDE#	Concentration (µg/mL)
	2,2',3,3',4,4',5,6,6'-Nonabromodiphenyl ether	( <sup>13</sup> C <sub>12</sub> ) 207	2.5

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EO-5428	RoHS 指令対応 PBDEs Native Spike	1.2 mL in nonane	53,000
	Unlabeled	BDE#	Concentration (µg/mL)
	Decabromodiphenyl ether	209	25
	2,2',3,3',4,4',5,5',6-Nonabromo diphenyl ether	206	5
	2,2',3,3',4,4',5,6,6'-Nonabromo diphenyl ether	207	2.5
	2,2',3,3',4,5,5',6,6'-Nonabromo diphenyl ether	208	2.5
	2,2',3,3',4,4',6,6'-Octabromo diphenyl ether	197	2.5
	2,2',3,4,4',5,6-Heptabromo diphenyl ether	183	1
	2,2',4,4',5,5'-Hexabromo diphenyl ether	153	1
	2,2',4,4',5,6'-Hexabromo diphenyl ether	154	1
	2,2',4,4',5-Pentabromo diphenyl ether	99	1
	2,2',4,4'-Tetrabromo diphenyl ether	47	1
	2,4,4'-Tribromo diphenyl ether	28	1
	4,4'-Dibromo diphenyl ether	15	1



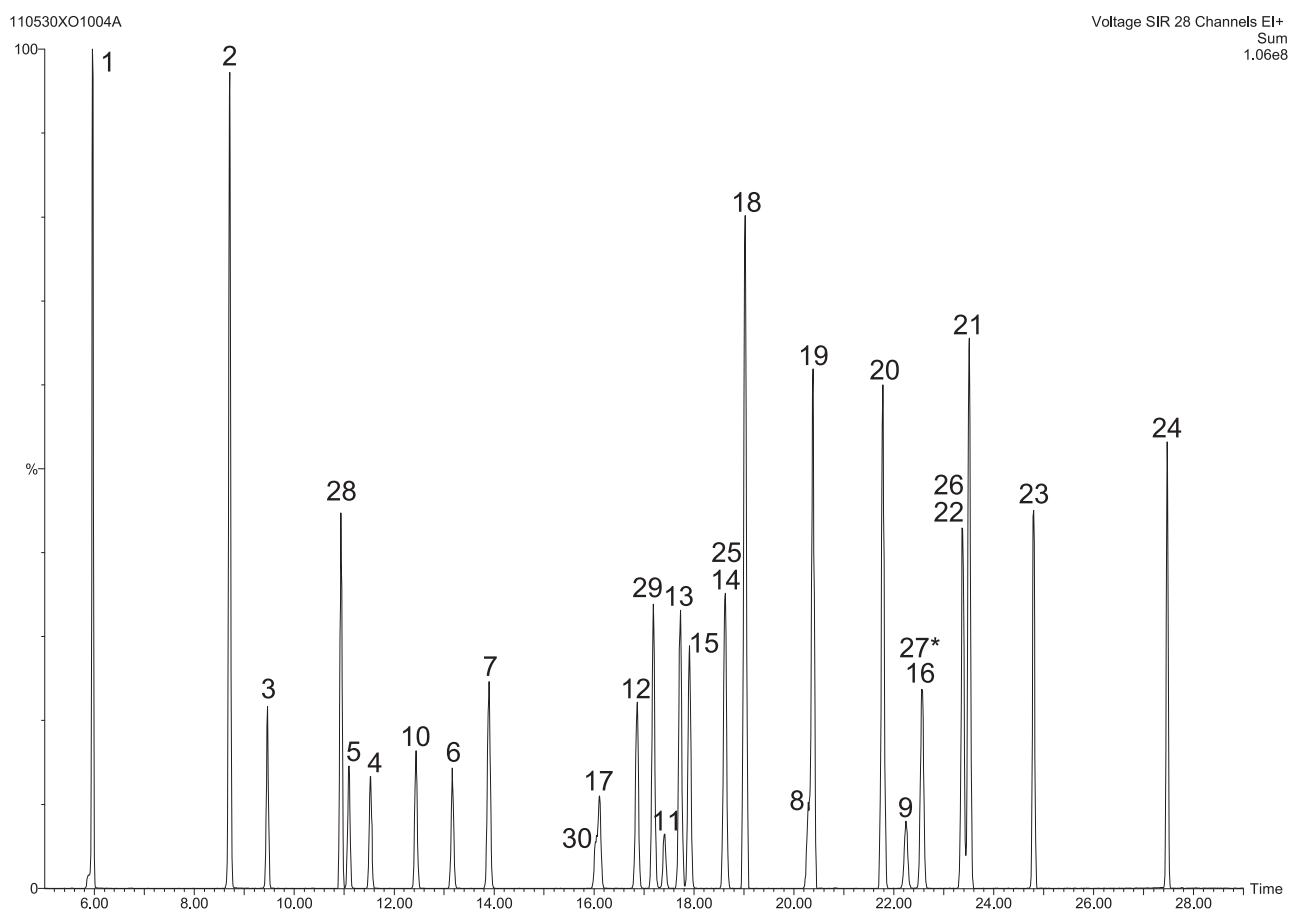
- Expanded POPs 定量分析用標準溶液
- POPs-EVE POPs 定量分析用標準溶液
- POPs-UNE POPs 定量分析用標準溶液



# Expanded POPs 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT						PRICE (¥)
ES-5464	Expanded POPs Pesticides Calibration Solutions [CS1-CS6]	Set of 6 x 0.2 mL in nonane						773,000
All Concentrations are in ng/mL (ppb)								
Unlabeled		CS1	CS2	CS3	CS4	CS5	CS6	
Hexachlorobenzene		0.4	2	10	40	200	800	
Pentachlorobenzene		0.4	2	10	40	200	800	
Aldrin		0.4	2	10	40	200	800	
Dieldrin		0.4	2	10	40	200	800	
Endrin		0.4	2	10	40	200	800	
4,4'-DDT		0.4	2	10	40	200	800	
4,4'-DDE		0.4	2	10	40	200	800	
4,4'-DDD		0.4	2	10	40	200	800	
2,4'-DDT		0.4	2	10	40	200	800	
2,4'-DDE		0.4	2	10	40	200	800	
2,4'-DDD		0.4	2	10	40	200	800	
trans-Chlordane ( $\gamma$ )		0.4	2	10	40	200	800	
cis-Chlordane ( $\alpha$ )		0.4	2	10	40	200	800	
trans-Nonachlor		0.4	2	10	40	200	800	
cis-Nonachlor		0.4	2	10	40	200	800	
Oxychlordane		0.4	2	10	40	200	800	
Heptachlor		0.4	2	10	40	200	800	
trans-Heptachlor epoxide (A isomer)		0.4	2	10	40	200	800	
cis-Heptachlor epoxide (B isomer)		0.4	2	10	40	200	800	
Mirex		0.4	2	10	40	200	800	
Kepone (Chlordecone)		0.4	2	10	40	200	800	
$\alpha$ -BHC ( $\alpha$ -HCH)		0.4	2	10	40	200	800	
$\beta$ -BHC ( $\beta$ -HCH)		0.4	2	10	40	200	800	
$\gamma$ -BHC ( $\gamma$ -HCH) (Lindane)		0.4	2	10	40	200	800	
$\delta$ -BHC ( $\delta$ -HCH)		0.4	2	10	40	200	800	
Endosulfan I		0.4	2	10	40	200	800	
Endosulfan II		0.4	2	10	40	200	800	
Labeled	IUPAC #	CS1	CS2	CS3	CS4	CS5	CS6	
Hexachlorobenzene ( $^{13}\text{C}_6$ , 99%)		20	20	20	20	20	20	
Pentachlorobenzene ( $^{13}\text{C}_6$ , 99%)		20	20	20	20	20	20	
Aldrin ( $^{13}\text{C}_{12}$ , 99%)		20	20	20	20	20	20	
Endrin ( $^{13}\text{C}_{12}$ , 99%)		20	20	20	20	20	20	
Dieldrin ( $^{13}\text{C}_{12}$ , 99%)		20	20	20	20	20	20	
4,4'-DDT ( $^{13}\text{C}_{12}$ , 99%)		20	20	20	20	20	20	
4,4'-DDE ( $^{13}\text{C}_{12}$ , 99%)		20	20	20	20	20	20	
4,4'-DDD ( $^{13}\text{C}_{12}$ , 99%)		20	20	20	20	20	20	
2,4'-DDT ( $^{13}\text{C}_{12}$ , 99%)		20	20	20	20	20	20	
2,4'-DDE ( $^{13}\text{C}_{12}$ , 99%)		20	20	20	20	20	20	
2,4'-DDD ( $^{13}\text{C}_{12}$ , 99%)		20	20	20	20	20	20	
trans-Chlordane ( $\gamma$ ) ( $^{13}\text{C}_{10}$ , 99%)		20	20	20	20	20	20	
trans-Nonachlor ( $^{13}\text{C}_{10}$ , 99%)		20	20	20	20	20	20	
cis-Nonachlor ( $^{13}\text{C}_{10}$ , 99%)		20	20	20	20	20	20	
Oxychlordane ( $^{13}\text{C}_{10}$ , 99%)		20	20	20	20	20	20	
Heptachlor ( $^{13}\text{C}_{10}$ , 99%)		20	20	20	20	20	20	
cis-Heptachlor epoxide ( $^{13}\text{C}_{10}$ , 99%)		20	20	20	20	20	20	
Mirex ( $^{13}\text{C}_{10}$ , 99%)		20	20	20	20	20	20	
Kepone (Chlordecone) ( $^{13}\text{C}_{10}$ , 99%)		20	20	20	20	20	20	
$\alpha$ -BHC ( $\alpha$ -HCH) ( $^{13}\text{C}_6$ , 99%)		20	20	20	20	20	20	
$\beta$ -BHC ( $\beta$ -HCH) ( $^{13}\text{C}_6$ , 99%)		20	20	20	20	20	20	
$\gamma$ -BHC ( $\gamma$ -HCH) (Lindane) ( $^{13}\text{C}_6$ , 99%)		20	20	20	20	20	20	
$\delta$ -BHC ( $\delta$ -HCH) ( $^{13}\text{C}_6$ , 99%)		20	20	20	20	20	20	
Endosulfan I ( $^{13}\text{C}_9$ , 99%)		20	20	20	20	20	20	
Endosulfan II ( $^{13}\text{C}_9$ , 99%)		20	20	20	20	20	20	
Syringe 4,4'-DiCB ( $^{13}\text{C}_{12}$ , 99%)	15	20	20	20	20	20	20	
Syringe 2,3',4',5'-TeCB ( $^{13}\text{C}_{12}$ , 99%)	70	20	20	20	20	20	20	
Sampling Isodrin ( $^{13}\text{C}_{12}$ , 99%)		20	20	20	20	20	20	





Expanded POPs CS4

MS: Autospec Ultima (Waters/Micromass)

GC: HP6890 (Agilent)

GC column: DB-17HT 30m x 0.32mm I.D., 0.15 $\mu$ m (J&W)

- |                              |   |
|------------------------------|---|
| 1. Pentachlorobenzene        | 16. cis-Nonachlor   |
| 2. Hexachlorobenzene         | 17. Oxychlorane   |
| 3. alpha-HCH                 | 18. o,p'-DDE  |
| 4. beta-HCH                  | 19. p,p'-DDE  |
| 5. gamma-HCH                 | 20. o,p'-DDD  |
| 6. delta-HCH                 | 21. p,p'-DDD  |
| 7. Aldrin                    | 22. o,p'-DDT  |
| 8. Dieldrin                  | 23. p,p'-DDT  |
| 9. Endrin                    | 24. Mirex   |
| 10. Heptachlor               | 25. Endosulfan I  |
| 11. trans-Heptachlor epoxide | 26. Endosulfan II   |
| 12. cis-Heptachlor epoxide   | 27. Chlordecone*  |
| 13. trans-Chlordane          | 28. <sup>13</sup> C <sub>12</sub> -4,4'-DiCB (PCB-15)       |
| 14. cis-Chlordane            | 29. <sup>13</sup> C <sub>12</sub> -2,3',4',5'-TeCB (PCB-70) |
| 15. trans-Nonachlor          | 30. <sup>13</sup> C <sub>12</sub> -Isodrin                  |

\*27. Chlordeconeについては通常LC-MS/MSで測定します。

GC-MSでは大きくテーリングする為、測定は困難ですが、参考に溶出位置を記載しています。

# Expanded POPs 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5465	Expanded POPs Pesticides Cleanup Spike	1.2 mL in nonane	299,000
ES-5465-5x	Expanded POPs Pesticides Cleanup Spike(5x stock)	1.2 mL in nonane	735,000

Labeled	ES-5465 (ng/mL)	ES-5465-5x (ng/mL)
Hexachlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	100	500
Pentachlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	100	500
Aldrin ( <sup>13</sup> C <sub>12</sub> , 99%)	100	500
Dieldrin ( <sup>13</sup> C <sub>12</sub> , 99%)	100	500
Endrin ( <sup>13</sup> C <sub>12</sub> , 99%)	100	500
4,4'-DDT ( <sup>13</sup> C <sub>12</sub> , 99%)	100	500
4,4'-DDE ( <sup>13</sup> C <sub>12</sub> , 99%)	100	500
4,4'-DDD ( <sup>13</sup> C <sub>12</sub> , 99%)	100	500
2,4'-DDT ( <sup>13</sup> C <sub>12</sub> , 99%)	100	500
2,4'-DDE ( <sup>13</sup> C <sub>12</sub> , 99%)	100	500
2,4'-DDD ( <sup>13</sup> C <sub>12</sub> , 99%)	100	500
trans-Chlordane (γ) ( <sup>13</sup> C <sub>10</sub> , 99%)	100	500
trans-Nonachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	100	500
cis-Nonachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	100	500
Oxychlordane ( <sup>13</sup> C <sub>10</sub> , 99%)	100	500
Heptachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	100	500
cis-Heptachlor epoxide (B isomer) ( <sup>13</sup> C <sub>10</sub> , 99%)	100	500
Mirex ( <sup>13</sup> C <sub>10</sub> , 99%)	100	500
Kepone (Chlordecone) ( <sup>13</sup> C <sub>10</sub> , 99%)	100	500
α-BHC (α-HCH) ( <sup>13</sup> C <sub>6</sub> , 99%)	100	500
β-BHC (β-HCH) ( <sup>13</sup> C <sub>6</sub> , 99%)	100	500
γ-BHC (γ-HCH) (Lindane) ( <sup>13</sup> C <sub>6</sub> , 99%)	100	500
δ-BHC (δ-HCH) ( <sup>13</sup> C <sub>6</sub> , 99%)	100	500
Endosulfan I ( <sup>13</sup> C <sub>9</sub> , 99%)	100	500
Endosulfan II ( <sup>13</sup> C <sub>9</sub> , 99%)	100	500

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5466	Expanded POPs Pesticides Sampling Spike	1.2 mL in nonane	68,000
	Labeled	(ng/mL)	
	Isodrin ( <sup>13</sup> C <sub>12</sub> , 99%)	1000	

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
EC-5350	POPs Pesticides HRMS (PCB) Syringe Spike	1.2 mL in nonane	59,000
EC-5350-L	POPs Pesticides LRMS (PCB) Syringe Spike	0.5 mL in nonane	239,000
	Labeled	IUPAC #	ES-5350 (ng/mL) ES-5350-L (ng/mL)
	4,4'-DiCB ( <sup>13</sup> C <sub>12</sub> , 99%)	15	100 1000
	2,3',4',5'-TetraCB ( <sup>13</sup> C <sub>12</sub> , 99%)	70	100 1000

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5467	Expanded POPs Pesticides PAR Solution	1.2 mL in nonane	135,000
	Unlabeled	(ng/mL)	
	Hexachlorobenzene	1000	
	Pentachlorobenzene	1000	
	Aldrin	1000	
	Dieldrin	1000	
	Endrin	1000	
	4,4'-DDT	1000	
	4,4'-DDE	1000	
	4,4'-DDD	1000	
	2,4'-DDT	1000	
	2,4'-DDE	1000	
	2,4'-DDD	1000	
	trans-Chlordane ( $\gamma$ )	1000	
	cis-Chlordane ( $\alpha$ )	1000	
	trans-Nonachlor	1000	
	cis-Nonachlor	1000	
	Oxychlordane	1000	
	Heptachlor	1000	
	trans-Heptachlor epoxide (A isomer)	1000	
	cis-Heptachlor epoxide (B isomer)	1000	
	Mirex	1000	
	Kepone (Chlordecone)	1000	
	$\alpha$ -BHC ( $\alpha$ -HCH)	1000	
	$\beta$ -BHC ( $\beta$ -HCH)	1000	
	$\gamma$ -BHC ( $\gamma$ -HCH) (Lindane)	1000	
	$\delta$ -BHC ( $\delta$ -HCH)	1000	
	Endosulfan I	1000	
	Endosulfan II	1000	

# POPs-EVE POPs 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT						PRICE (¥)
ES-5348	POPs Pesticides Calibration Solutions CS1-CS6 (UNLABELED/ <sup>13</sup> C, 99%)	6 ampoules x 0.2 mL in nonane						705,000
		Concentration (ng/mL)						
	Unlabeled	CS1	CS2	CS3	CS4	CS5	CS6	
	HCB	0.4	2	10	40	200	800	
	Drins							
	Aldrin	0.4	2	10	40	200	800	
	Dieldrin	0.4	2	10	40	200	800	
	Endrin	0.4	2	10	40	200	800	
	DDTs							
	p,p'-DDT	0.4	2	10	40	200	800	
	p,p'-DDE	0.4	2	10	40	200	800	
	p,p'-DDD	0.4	2	10	40	200	800	
	o,p'-DDT	0.4	2	10	40	200	800	
	o,p'-DDE	0.4	2	10	40	200	800	
	o,p'-DDD	0.4	2	10	40	200	800	
	Chlordanes							
	trans-Chlordane	0.4	2	10	40	200	800	
	cis-Chlordane	0.4	2	10	40	200	800	
	trans-Nonachlor	0.4	2	10	40	200	800	
	cis-Nonachlor	0.4	2	10	40	200	800	
	Oxychlordane	0.4	2	10	40	200	800	
	Heptachlors							
	Heptachlor	0.4	2	10	40	200	800	
	trans-Heptachlor epoxide	0.4	2	10	40	200	800	
	cis-Heptachlor epoxide	0.4	2	10	40	200	800	
	Mirex	0.4	2	10	40	200	800	
	HCHs							
	$\alpha$ -HCH	0.4	2	10	40	200	800	
	$\beta$ -HCH	0.4	2	10	40	200	800	
	$\gamma$ -HCH	0.4	2	10	40	200	800	
	$\delta$ -HCH	0.4	2	10	40	200	800	
	Labeled	CS1	CS2	CS3	CS4	CS5	CS6	
	<sup>13</sup> C-HCB	20	20	20	20	20	20	
	<sup>13</sup> C-Drins							
	<sup>13</sup> C-Aldrin	20	20	20	20	20	20	
	<sup>13</sup> C-Dieldrin	20	20	20	20	20	20	
	<sup>13</sup> C-Endrin	20	20	20	20	20	20	
	<sup>13</sup> C-DDTs							
	<sup>13</sup> C-p,p'-DDT	20	20	20	20	20	20	
	<sup>13</sup> C-p,p'-DDE	20	20	20	20	20	20	
	<sup>13</sup> C-p,p'-DDD	20	20	20	20	20	20	
	<sup>13</sup> C-o,p'-DDT	20	20	20	20	20	20	
	<sup>13</sup> C-o,p'-DDE	20	20	20	20	20	20	
	<sup>13</sup> C-o,p'-DDD	20	20	20	20	20	20	
	<sup>13</sup> C-Chlordanes							
	<sup>13</sup> C-trans-Chlordane	20	20	20	20	20	20	
	<sup>13</sup> C-trans-Nonachlor	20	20	20	20	20	20	
	<sup>13</sup> C-cis-Nonachlor	20	20	20	20	20	20	
	<sup>13</sup> C-Oxychlordane	20	20	20	20	20	20	
	<sup>13</sup> C-Heptachlors							
	<sup>13</sup> C-Heptachlor	20	20	20	20	20	20	
	<sup>13</sup> C-cis-Heptachlor epoxide	20	20	20	20	20	20	
	<sup>13</sup> C-Mirex	20	20	20	20	20	20	
	<sup>13</sup> C-HCHs							
	<sup>13</sup> C- $\alpha$ -HCH	20	20	20	20	20	20	
	<sup>13</sup> C- $\beta$ -HCH	20	20	20	20	20	20	
	<sup>13</sup> C- $\gamma$ -HCH	20	20	20	20	20	20	
	<sup>13</sup> C- $\delta$ -HCH	20	20	20	20	20	20	
	Syringe Spike							
	<sup>13</sup> C-DiCB #15	20	20	20	20	20	20	
	<sup>13</sup> C-TeCB #70	20	20	20	20	20	20	

HRGC/HRMSによるHCHを含めたPOPs分析に適する検量線作製の標準溶液ならびにスパイク溶液です。  
HCHを含めたPOPs分析において、低濃度から高濃度に対応した広範囲な検量線を作製することが可能です。

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5349	POPs Pesticides HRMS Cleanup Spike ( <sup>13</sup> C,99%)	1.2 mL in nonane	225,000
ES-5349-L	POPs Pesticides LRMS Cleanup Spike ( <sup>13</sup> C,99%)	0.5 mL in nonane	585,000
EC-5350	POPs Pesticides HRMS (PCB) Syringe Spike ( <sup>13</sup> C, 99%)	1.2 mL in nonane	59,000
EC-5350-L	POPs Pesticides LRMS (PCB) Syringe Spike ( <sup>13</sup> C, 99%)	1.2 mL in nonane	239,000

Labeled	Cleanup Spike Concentration (ng/mL)		Labeled	Syringe Spike Concentration (ng/mL)	
	ES-5349	ES-5349-L		EC-5350	EC-5350-L
<sup>13</sup> C-HCB	100	1000	<sup>13</sup> C-DiCB #15	100	1000
<sup>13</sup> C-Drins			<sup>13</sup> C-TeCB #70	100	1000
<sup>13</sup> C-Aldrin	100	1000			
<sup>13</sup> C-Dieldrin	100	1000			
<sup>13</sup> C-Endrin	100	1000			
<sup>13</sup> C-DDTs					
<sup>13</sup> C-p,p'-DDT	100	1000			
<sup>13</sup> C-p,p'-DDE	100	1000			
<sup>13</sup> C-p,p'-DDD	100	1000			
<sup>13</sup> C-o,p'-DDT	100	1000			
<sup>13</sup> C-o,p'-DDE	100	1000			
<sup>13</sup> C-o,p'-DDD	100	1000			
<sup>13</sup> C-Chlordanes					
<sup>13</sup> C-trans-Chlordane	100	1000			
<sup>13</sup> C-trans-Nonachlor	100	1000			
<sup>13</sup> C-cis-Nonachlor	100	1000			
<sup>13</sup> C-Oxychlordane	100	1000			
<sup>13</sup> C-Heptachlors					
<sup>13</sup> C-Heptachlor	100	1000			
<sup>13</sup> C-cis-Heptachlor epoxide	100	1000			
<sup>13</sup> C-Mirex	100	1000			
<sup>13</sup> C-HCHs					
α-HCH	100	1000			
β-HCH	100	1000			
γ-HCH	100	1000			
δ-HCH	100	1000			

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5351	POPs Toxaphene Calibration Solutions CS1-CS6 (UNLABELED/ <sup>13</sup> C, 99%)	6 ampoules x 0.2 mL in nonane	413,000
ES-5346	POPs Toxaphene HRMS Surrogate Solution	1.2 mL in nonane	53,000
ES-5352-L	POPs Toxaphene LRMS Surrogate Solution	1.2 mL in nonane	135,000

ES-5351 POPs Toxaphene Calibration Solutions  
Concentration (ng/mL)

Unlabeled	CS1	CS2	CS3	CS4	CS5	CS6
Parlar-26	0.4	2	10	40	200	800
Parlar-50	0.4	2	10	40	200	800
Parlar-62	0.4	2	10	40	200	800
Labeled	CS1	CS2	CS3	CS4	CS5	CS6
<sup>13</sup> C-trans-Chlordane	20	20	20	20	20	20

POPs Toxaphene Surrogate Solution

Labeled Compound	Concentration (ng/mL)	
	ES-5346	ES-5352-L
trans-Chlordane ( <sup>13</sup> C <sub>12</sub> , 99%)	100	1000

# POPs-UNE POPs 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT					PRICE (¥)
ES-5341	POPs non-Toxaphene, non-HCH Calibration Solutions CS1-CS5 (UNLABELED/ <sup>13</sup> C, 99%)	5 ampoules x 0.2 mL in nonane					660,000
		Concentration (ng/mL)					
	Unlabeled	CS1	CS2	CS3	CS4	CS5	
	HCB	0.05	0.15	0.5	1.5	5	
	Drins						
	Aldrin	0.5	1.5	5	15	50	
	Dieldrin	0.1	0.3	1	3	10	
	Endrin	0.5	1.5	5	15	50	
	DDTs						
	p,p'-DDT	0.5	1.5	5	15	50	
	p,p'-DDE	0.1	0.3	1	3	10	
	p,p'-DDD	0.5	1.5	5	15	50	
	o,p'-DDT	0.5	1.5	5	15	50	
	o,p'-DDE	0.1	0.3	1	3	10	
	o,p'-DDD	0.5	1.5	5	15	50	
	Chlordanes						
	trans-Chlordane	0.05	0.15	0.5	1.5	5	
	cis-Chlordane	0.05	0.15	0.5	1.5	5	
	trans-Nonachlor	0.05	0.15	0.5	1.5	5	
	cis-Nonachlor	0.05	0.15	0.5	1.5	5	
	Oxychlordane	0.5	1.5	5	15	50	
	Heptachlors						
	Heptachlor	0.1	0.3	1	3	10	
	trans-Heptachlor epoxide	0.1	0.3	1	3	10	
	cis-Heptachlor epoxide	0.1	0.3	1	3	10	
	Mirex	0.1	0.3	1	3	10	
	Labeled	CS1	CS2	CS3	CS4	CS5	
	<sup>13</sup> C-HCB	1	1	1	1	1	
	<sup>13</sup> C-Drins						
	<sup>13</sup> C-Aldrin	10	10	10	10	10	
	<sup>13</sup> C-Dieldrin	2	2	2	2	2	
	<sup>13</sup> C-Endrin	10	10	10	10	10	
	<sup>13</sup> C-DDTs						
	<sup>13</sup> C-p,p'-DDT	10	10	10	10	10	
	<sup>13</sup> C-p,p'-DDE	2	2	2	2	2	
	<sup>13</sup> C-p,p'-DDD	10	10	10	10	10	
	<sup>13</sup> C-o,p'-DDT	10	10	10	10	10	
	<sup>13</sup> C-o,p'-DDE	2	2	2	2	2	
	<sup>13</sup> C-o,p'-DDD	10	10	10	10	10	
	<sup>13</sup> C-Chlordanes						
	<sup>13</sup> C-trans-Chlordane	1	1	1	1	1	
	<sup>13</sup> C-trans-Nonachlor	1	1	1	1	1	
	<sup>13</sup> C-cis-Nonachlor	1	1	1	1	1	
	<sup>13</sup> C-Oxychlordane	10	10	10	10	10	
	<sup>13</sup> C-Heptachlors						
	<sup>13</sup> C-Heptachlor	2	2	2	2	2	
	<sup>13</sup> C-cis-Heptachlor epoxide	2	2	2	2	2	
	<sup>13</sup> C-Mirex	2	2	2	2	2	

HRGC/HRMSによるHCHを含めたPOPs分析に適する検量線作製の標準溶液ならびにスパイク溶液です。  
分析対象化合物のイオン化効率に配慮した濃度範囲の検量線を作製することが可能です。

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5342	POPs non-Toxaphene, non-HCH Labeled Cleanup Spike ( <sup>13</sup> C, 99%)	1.2 mL in nonane	68,000

Labeled	Concentration (ng/mL)
<sup>13</sup> C-HCB	10
<sup>13</sup> C-Drins	
<sup>13</sup> C-Aldrin	100
<sup>13</sup> C-Dieldrin	20
<sup>13</sup> C-Endrin	100
<sup>13</sup> C-DDTs	
<sup>13</sup> C-p,p'-DDT	100
<sup>13</sup> C-p,p'-DDE	20
<sup>13</sup> C-p,p'-DDD	100
<sup>13</sup> C-o,p'-DDT	100
<sup>13</sup> C-o,p'-DDE	20
<sup>13</sup> C-o,p'-DDD	100
<sup>13</sup> C-Chlordanes	
<sup>13</sup> C-trans-Chlordane	10
<sup>13</sup> C-trans-Nonachlor	10
<sup>13</sup> C-cis-Nonachlor	10
<sup>13</sup> C-Oxychlordane	100
<sup>13</sup> C-Heptachlors	
<sup>13</sup> C-Heptachlor	20
<sup>13</sup> C-cis-Heptachlor epoxide	20
<sup>13</sup> C-Mirex	20



# POPs-UNE POPs 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5343	POPs HCHs Calibration Solutions CS1-CS5	5 ampoules x 0.2 mL in nonane	375,000

		Concentration (ng/mL)				
Unlabeled		CS1	CS2	CS3	CS4	CS5
$\alpha$ -HCH		0.1	0.3	1	3	10
$\beta$ -HCH		0.1	0.3	1	3	10
$\gamma$ -HCH		0.1	0.3	1	3	10
$\delta$ -HCH		0.1	0.3	1	3	10
Labeled		CS1	CS2	CS3	CS4	CS5
$\alpha$ -HCH	( <sup>13</sup> C <sub>6</sub> , 99%)	2	2	2	2	2
$\beta$ -HCH	( <sup>13</sup> C <sub>6</sub> , 99%)	2	2	2	2	2
$\gamma$ -HCH	( <sup>13</sup> C <sub>6</sub> , 99%)	2	2	2	2	2
$\delta$ -HCH	( <sup>13</sup> C <sub>6</sub> , 99%)	2	2	2	2	2

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5344	POPs HCHs Labeled Cleanup Spike	1.2 mL in nonane	89,000

Labeled		Concentration (ng/mL)
$\alpha$ -HCH	( <sup>13</sup> C <sub>6</sub> , 99%)	20
$\beta$ -HCH	( <sup>13</sup> C <sub>6</sub> , 99%)	20
$\gamma$ -HCH	( <sup>13</sup> C <sub>6</sub> , 99%)	20
$\delta$ -HCH	( <sup>13</sup> C <sub>6</sub> , 99%)	20

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5345	POPs Toxaphene Calibration Solutions CS1-CS5	5 ampoules x 0.2 mL in nonane	450,000

		Concentration (ng/mL)				
Unlabeled		CS1	CS2	CS3	CS4	CS5
Parlar-26		10	30	100	300	1000
Parlar-50		10	30	100	300	1000
Parlar-62		10	30	100	300	1000
Labeled		CS1	CS2	CS3	CS4	CS5
trans-Chlordane	( <sup>13</sup> C <sub>10</sub> , 99%)	1	1	1	1	1

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5346	POPs Toxaphene Surrogate Solution	1.2 mL in nonane	53,000

Labeled	Concentration (ng/mL)	
trans-Chlordane	( <sup>13</sup> C <sub>10</sub> , 99%)	100

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- 水酸化-PAH 定量分析用標準溶液
- ポリ塩化ナフタレン 定量分析用標準溶液
- Polyaromatic Hydrocarbon Standards (PAHs)



# 水酸化-PAH 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5472	CDC OH-PAH Calibration Standards CS1-CS10	10 ampoules x 0.5mL in toluene	855,000

		All concentration (ng/mL)										
Unlabeled Component	IUPAC #	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8	CS9	CS10	
1-Hydroxynaphthalene		4	8	20	40	200	400	2000	4000	8000	16000	
2-Hydroxynaphthalene		4	8	20	40	200	400	2000	4000	8000	16000	
2-Hydroxyfluorene		1	2	5	10	50	100	500	1000	—	—	
3-Hydroxyfluorene		1	2	5	10	50	100	500	1000	—	—	
9-Hydroxyfluorene		1	2	5	10	50	100	500	1000	—	—	
1-Hydroxyphenanthrene		1	2	5	10	50	100	500	1000	—	—	
2-Hydroxyphenanthrene		1	2	5	10	50	100	500	1000	—	—	
3-Hydroxyphenanthrene		1	2	5	10	50	100	500	1000	—	—	
4-Hydroxyphenanthrene		1	2	5	10	50	100	500	1000	—	—	
1-Hydroxypyrene		1	2	5	10	50	100	500	1000	—	—	
Labeled Component	IUPAC #	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8	CS9	CS10	
2,4,4'-TriCB ( <sup>13</sup> C <sub>12</sub> , 99%)	28	100	100	100	100	100	100	100	100	100	100	
2,3,3',4,4'-PentaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	105	100	100	100	100	100	100	100	100	100	100	
2,2',4,4',5,5'-HexaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	153	100	100	100	100	100	100	100	100	100	100	
2,3',4,4',5,5'-HexaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	167	100	100	100	100	100	100	100	100	100	100	
1-Hydroxynaphthalene ( <sup>13</sup> C <sub>6</sub> , 99%)		400	400	400	400	400	400	400	400	400	400	
2-Hydroxynaphthalene ( <sup>13</sup> C <sub>6</sub> , 99%)		400	400	400	400	400	400	400	400	400	400	
2-Hydroxyfluorene ( <sup>13</sup> C <sub>6</sub> , 99%)		100	100	100	100	100	100	100	100	100	100	
3-Hydroxyfluorene ( <sup>13</sup> C <sub>6</sub> , 99%)		100	100	100	100	100	100	100	100	100	100	
9-Hydroxyfluorene ( <sup>13</sup> C <sub>6</sub> , 99%)		100	100	100	100	100	100	100	100	100	100	
1-Hydroxyphenanthrene ( <sup>13</sup> C <sub>4</sub> , 99%)		100	100	100	100	100	100	100	100	100	100	
2-Hydroxyphenanthrene ( <sup>13</sup> C <sub>6</sub> , 99%)		100	100	100	100	100	100	100	100	100	100	
3-Hydroxyphenanthrene ( <sup>13</sup> C <sub>6</sub> , 99%)		100	100	100	100	100	100	100	100	100	100	
4-Hydroxyphenanthrene ( <sup>13</sup> C <sub>4</sub> , 99%)		100	100	100	100	100	100	100	100	100	100	
1-Hydroxypyrene ( <sup>13</sup> C <sub>6</sub> , 99%)		100	100	100	100	100	100	100	100	100	100	

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5473	CDC OH-PAH Spiking Standard	1 ampoule x 1.5mL in asetomitrile	147,000

Labeled Component	Concentration (ng/mL)
1-Hydroxynaphthalene ( <sup>13</sup> C <sub>6</sub> , 99%)	100
2-Hydroxynaphthalene ( <sup>13</sup> C <sub>6</sub> , 99%)	100
2-Hydroxyfluorene ( <sup>13</sup> C <sub>6</sub> , 99%)	25
3-Hydroxyfluorene ( <sup>13</sup> C <sub>6</sub> , 99%)	25
9-Hydroxyfluorene ( <sup>13</sup> C <sub>6</sub> , 99%)	25
1-Hydroxyphenanthrene ( <sup>13</sup> C <sub>4</sub> , 99%)	25
2-Hydroxyphenanthrene ( <sup>13</sup> C <sub>6</sub> , 99%)	25
3-Hydroxyphenanthrene ( <sup>13</sup> C <sub>6</sub> , 99%)	25
4-Hydroxyphenanthrene ( <sup>13</sup> C <sub>4</sub> , 99%)	25
1-Hydroxypyrene ( <sup>13</sup> C <sub>6</sub> , 99%)	25

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5474	CDC PCB Recovery Standard for OH-PAHs	1 ampoule x 1.0mL in toluene	45,000

Labeled Component	IUPAC#	Concentration (ng/mL)
2,4,4'-TriCB ( <sup>13</sup> C <sub>12</sub> , 99%)	28	200
2,3,3',4,4'-PentaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	105	200
2,2',4,4',5,5'-HexaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	153	200
2,3',4,4',5,5'-HexaCB ( <sup>13</sup> C <sub>12</sub> , 99%)	167	200

# ポリ塩化ナフタレン 定量分析用標準溶液

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ECN-5489	PCN Calibration Solutions CS1 - CS7(unlabeled/ <sup>13</sup> C <sub>10</sub> , 99%)	7 x 0.5 mL in isooctane	840,000

Unlabeled Component	All concentration (ng/mL)						
	CS1	CS2	CS3	CS4	CS5	CS6	CS7
1,2,3,4-TetraCN	0.1	0.2	1	2	10	20	100
1,2,3,5,7-PentaCN	0.1	0.2	1	2	10	20	100
1,2,3,4,6,7-HexaCN	0.1	0.2	1	2	10	20	100
1,2,3,5,6,7-HexaCN	0.1	0.2	1	2	10	20	100
1,2,3,5,6,8-HexaCN	0.1	0.2	1	2	10	20	100
1,2,3,4,5,6,7-HeptaCN	0.1	0.2	1	2	10	20	100
OctaCN	0.1	0.2	1	2	10	20	100

Labeled Component		CS1	CS2	CS3	CS4	CS5	CS6	CS7
1,2,3,4-TetraCN	( <sup>13</sup> C <sub>10</sub> , 99%)	10	10	10	10	10	10	10
1,2,3,5,7-PentaCN	( <sup>13</sup> C <sub>10</sub> , 99%)	10	10	10	10	10	10	10
1,2,3,4,5,7-HexaCN	( <sup>13</sup> C <sub>10</sub> , 99%)	10	10	10	10	10	10	10
1,2,3,5,6,7-HexaCN	( <sup>13</sup> C <sub>10</sub> , 99%)	10	10	10	10	10	10	10
1,2,3,4,5,6,7-HeptaCN	( <sup>13</sup> C <sub>10</sub> , 99%)	10	10	10	10	10	10	10
OctaCN	( <sup>13</sup> C <sub>10</sub> , 99%)	10	10	10	10	10	10	10
1,2,3,4-TCDD	( <sup>13</sup> C <sub>6</sub> , 99%)	25	25	25	25	25	25	25

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ECN-5490	PCN Cleanup Solution ( <sup>13</sup> C <sub>10</sub> , 99%)	5 mL in methanol:isooctane	113,000

Labeled Component	Concentration (ng/mL)
1,2,3,4-TetraCN ( <sup>13</sup> C <sub>10</sub> , 99%)	0.5
1,2,3,5,7-PentaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	0.5
1,2,3,4,5,7-HexaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	0.5
1,2,3,5,6,7-HexaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	0.5
1,2,3,4,5,6,7-HeptaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	0.5
OctaCN ( <sup>13</sup> C <sub>10</sub> , 99%)	0.5

# Polyaromatic Hydrocarbon Standards (PAHs)

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
CLM-1643-1.2	Acenaphthene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 248,000
CLM-2477-1.2	Acenaphthylene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 255,000
CLM-1333-1.2	Anthracene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 158,000
CLM-3602-1.2	Benz [a] anthracene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 263,000
CLM-2722-1.2	Benzo [a] pyrene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 293,000
CLM-3599-1.2	Benzo [b] fluoranthene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 203,000
CLM-6170-1.2	Benzo [e] pyrene	(9,10,11,12- <sup>13</sup> C <sub>4</sub> , 99%) 100 μg/mL in nonane	1.2 mL 293,000
CLM-1364-1.2	Benzo [g,h,i] perylene	( <sup>13</sup> C <sub>12</sub> , 99%) 100 μg/mL in nonane	1.2 mL 195,000
CLM-3756-1.2	Benzo [k] fluoranthene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 195,000
CLM-3757-1.2	Chrysene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 203,000
CLM-3598-1.2	Dibenz [a,h] anthracene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 293,000
CLM-3835-1.2	Dibenzo [a,e] pyrene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 209,000
CLM-3774-A	Dibenzo [a,i] pyrene	( <sup>13</sup> C <sub>12</sub> , 99%) 100 μg/mL in nonane	1.2 mL 200,000
ULM-6234-1.2	9,10-Dimethylanthracene	(Unlabeled) 50 μg/mL in toluene	1.2 mL 29,000
ULM-6181-1.2	1,8-Dimethylnaphthalene	(Unlabeled) 50 μg/mL in toluene	1.2 mL 29,000
DLM-4304-10	Ethylbenzene	(D <sub>10</sub> , 99%)	10 g 57,000
CLM-3597-1.2	Fluoranthene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 285,000
CLM-3596-1.2	Fluorene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 209,000
CLM-4860-T-1.2	6-Hydroxychrysene	( <sup>13</sup> C <sub>6</sub> , 98%) 50 μg/mL in toluene	1.2 mL 225,000
ULM-7552-1.2	3-Hydroxychrysene	(Unlabeled) 50 μg/mL in acetonitrile	1.2 mL 59,000
CLM-4859-T-1.2	3-Hydroxyphenanthrene	( <sup>13</sup> C <sub>6</sub> , 98%) 50 μg/mL in toluene	1.2 mL 195,000
ULM-7446-1.2	3-Hydroxyphenanthrene	(Unlabeled) 50 μg/mL in acetonitrile	1.2 mL 59,000
CLM-3600-1.2	Indeno [1,2,3-cd] pyrene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 209,000
CLM-3621-1.2	2-Methylnaphthalene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 173,000
CLM-1332-1.2	Naphthalene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 128,000
DLM-3875-10	Naphthalene	(D <sub>8</sub> , 99.5%)	10 g 63,000
CLM-2451-1.2	Phenanthrene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 173,000
CLM-3601-1.2	Pyrene	( <sup>13</sup> C <sub>6</sub> , 99%) 100 μg/mL in nonane	1.2 mL 263,000
DLM-2005-1.2	2-Chloronaphthalene	(D <sub>7</sub> , 98%) 100 μg/mL in nonane	1.2 mL 68,000
ULM-8155-25	Benzo[c]phenanthrene	(Unlabeled)	25 mg 83,000
CLM-8267-1.2	1-Chloropyrene	( <sup>13</sup> C <sub>6</sub> , 99%) 50 μg/mL in toluene	1.2 mL 293,000
ULM-8268-1.2	1-Chloropyrene	(Unlabeled) 50 μg/mL in toluene	1.2 mL 128,000
ULM-8269-1.2	9-Chloroanthracene	(Unlabeled) 50 μg/mL in toluene	1.2 mL 128,000
ES-5164	PAH Surrogates Standard Mixture	(D, 98%) 200 μg/mL in 90% toluene/10% isooctane	10 mL 855,000





CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-2043	EEC SIX PAH COCKTAIL (D, 98%)	1 mL	248,000

Labeled	Concentration ( $\mu\text{g/mL}$ )
Benzo [b] fluoranthene (D <sub>12</sub> , 98%)	1000
Benzo [k] fluoranthene (D <sub>12</sub> , 98%)	1000
Benzo [g,h,i] perylene (D <sub>12</sub> , 98%)	1000
Benzo [a] pyrene (D <sub>12</sub> , 98%)	1000
Indeno [1,2,3-cd] pyrene (D <sub>12</sub> , 98%)	1000
Fluoranthene (D <sub>10</sub> , 98%)	1000

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-2044	PAH SURROGATE COCKTAIL 200 $\mu\text{g/mL}$ in CD <sub>2</sub> CL <sub>2</sub> /CD <sub>3</sub> OD (50:50)	1 mL	105,000

Labeled	Concentration ( $\mu\text{g/mL}$ )
Acenaphthylene (D <sub>8</sub> , 98%)	200
Benzo [a] pyrene (D <sub>12</sub> , 98%)	200
Benzo [g,h,i] perylene (D <sub>12</sub> , 98%)	200
Fluoranthene (D <sub>10</sub> , 98%)	200
Naphthalene (D <sub>8</sub> , 99%)	200
Phenanthrene (D <sub>10</sub> , 98%)	200
Pyrene (D <sub>10</sub> , 98%)	200

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-2528	PAH COCKTAIL FOR CARB METHOD 429 (D, 98%) in benzene (D <sub>6</sub> ,99.6%)	1 mL	345,000

Labeled	Concentration ( $\mu\text{g/mL}$ )
Acenaphthene (D <sub>10</sub> , 98%)	100
Acenaphthylene (D <sub>8</sub> , 98%)	100
Benz [a] anthracene (D <sub>12</sub> , 98%)	100
Benzo [b] fluoranthene (D <sub>12</sub> , 98%)	100
Benzo [k] fluoranthene (D <sub>12</sub> , 98%)	100
Benzo [g,h,i] perylene (D <sub>12</sub> , 98%)	100
Benzo [a] pyrene (D <sub>12</sub> , 98%)	100
Chrysene (D <sub>12</sub> , 98%)	100
Dibenz [a,z] anthracene (D <sub>14</sub> , 98%)	100
Fluoranthene (D <sub>10</sub> , 98%)	100
Fluorene (D <sub>10</sub> , 98%)	100
Indeno [1,2,3-cd] pyrene (D <sub>12</sub> , 98%)	100
Naphthalene (D <sub>8</sub> , 98%)	100
Phenanthrene (D <sub>10</sub> , 98%)	100
Pyrene (D <sub>10</sub> , 98%)	100

# Polyaromatic Hydrocarbon Standards (PAHs)

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-4069	CUSTOM PAH SOLUTION in isooctane	1.2 mL	お問い合わせ

Labeled	Concentration ( $\mu\text{g/mL}$ )
2-Chloronaphthalene (D7, 98%)	10
Acenaphthylene (D8, 98%)	10
Naphthalene (D8, 98%)	10
Phenanthrene (D10, 98%)	10
2-Methylnaphthalene (D10, 98%)	10
Fluoranthene (D10, 98%)	10
Benz [a] anthracene (D12, 98%)	10
Chrysene (D12, 98%)	10
Perylene (D12, 98%)	20
Benzo [a] pyrene (D12, 98%)	20
Benzo [b] fluoranthene (D12, 98%)	20
Benzo [k] fluoranthene (D12, 98%)	20
Benzo [g,h,i] perylene (D12, 98%)	20
Indeno [1,2,3-cd] pyrene (D12, 98%)	20
Dibenz [a,h] anthracene (D14, 98%)	20

CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-4087	US EPA 16 PAH COCKTAIL ( $^{13}\text{C}$ , 99%) in nonane	1.2 mL	405,000

Labeled	Concentration ( $\mu\text{g/mL}$ )
Acenaphthene ( $^{13}\text{C}_6$ , 99%)	5
Acenaphthylene ( $^{13}\text{C}_6$ , 99%)	5
Anthracene ( $^{13}\text{C}_6$ , 99%)	5
Benz [a] anthracene ( $^{13}\text{C}_6$ , 99%)	5
Benzo [b] fluoranthene ( $^{13}\text{C}_6$ , 99%)	5
Benzo [k] fluoranthene ( $^{13}\text{C}_6$ , 99%)	5
Benzo [g,h,i] perylene ( $^{13}\text{C}_{12}$ , 99%)	5
Benzo [a] pyrene ( $^{13}\text{C}_4$ , 99%)	5
Chrysene ( $^{13}\text{C}_6$ , 99%)	5
Dibenz [a,h] anthracene ( $^{13}\text{C}_6$ , 99%)	5
Fluoranthene ( $^{13}\text{C}_6$ , 99%)	5
Fluorene ( $^{13}\text{C}_6$ , 99%)	5
Indeno [1,2,3-cd] pyrene ( $^{13}\text{C}_6$ , 99%)	5
Naphthalene ( $^{13}\text{C}_6$ , 99%)	5
Phenanthrene ( $^{13}\text{C}_6$ , 99%)	5
Pyrene ( $^{13}\text{C}_6$ , 99%)	5



CATALOG#	COMPOUND	AMOUNT	PRICE (¥)
ES-5386	PAH-SIM RECOVERY STANDARD MIXTURE (D, 98%) in methylene chloride-D <sub>2</sub>	1.2 mL	269,000

Labeled	Concentration (mg/mL)
2-Methylnaphthalene (D <sub>10</sub> , 98%)	1
Anthracene (D <sub>10</sub> , 98%)	1
P-Terphenyl (D <sub>14</sub> , 98%)	1
Benzo [e] pyrene (D <sub>12</sub> , 98%)	1

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## Polycyclic Aromatic Compound (PAC) Standards and Standard Mixtures

### Alkyl Polycyclic Aromatic Hydrocarbon (PAH) Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
ULM-6234-1.2	9,10-Dimethylanthracene (unlabeled)	C <sub>16</sub> H <sub>14</sub>	50 µg/mL in toluene	1.2 mL	¥29,000
DLM-2852-1.2	1,6-Dimethylnaphthalene (D <sub>12</sub> , 98%)	C <sub>12</sub> D <sub>12</sub>	50 µg/mL in toluene-D <sub>8</sub>	1.2 mL	¥68,000
ULM-6182-1.2	1,6-Dimethylnaphthalene (unlabeled)	C <sub>12</sub> H <sub>12</sub>	50 µg/mL in toluene	1.2 mL	お問い合わせ
DLM-2854-1.2	1,8-Dimethylnaphthalene (D <sub>12</sub> , 98%)	C <sub>12</sub> D <sub>12</sub>	50 µg/mL in toluene-D <sub>8</sub>	1.2 mL	¥68,000
ULM-6181-1.2	1,8-Dimethylnaphthalene (unlabeled)	C <sub>12</sub> H <sub>12</sub>	50 µg/mL in toluene	1.2 mL	¥29,000
DLM-2853-1.2	2,6-Dimethylnaphthalene (D <sub>12</sub> , 98%)	C <sub>12</sub> D <sub>12</sub>	50 µg/mL in toluene-D <sub>8</sub>	1.2 mL	¥68,000
ULM-7271-1.2	2,6-Dimethylnaphthalene (unlabeled)	C <sub>12</sub> H <sub>12</sub>	50 µg/mL in toluene	1.2 mL	¥29,000
CLM-9729-1.2	5-Methylchrysene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>13</sub> H <sub>14</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
DLM-3842-1.2	5-Methylchrysene (methyl-D <sub>3</sub> , 98%)	C <sub>19</sub> D <sub>3</sub> H <sub>11</sub>	50 µg/mL in toluene-D <sub>8</sub>	1.2 mL	¥101,000
ULM-6235-1.2	5-Methylchrysene (unlabeled)	C <sub>19</sub> H <sub>14</sub>	50 µg/mL in toluene	1.2 mL	¥29,000
DLM-1607-1	1-Methylnaphthalene (D <sub>10</sub> , 98%)	C <sub>11</sub> D <sub>10</sub>	neat	1 g	¥36,000
CLM-3621-1.2	2-Methylnaphthalene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>5</sub> H <sub>10</sub>	100 µg/mL in nonane	1.2 mL	¥173,000
DLM-1322-1.2	2-Methylnaphthalene (D <sub>10</sub> , 98%)	C <sub>11</sub> D <sub>10</sub>	200 µg/mL in isooctane	1.2 mL	¥30,000
ULM-7416-1.2	2-Methylnaphthalene (unlabeled)	C <sub>11</sub> H <sub>10</sub>	200 µg/mL in isooctane	1.2 mL	¥23,000
CLM-8174-1.2	2-Methyl-1-naphthol (5,6,7,8,9,10- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>5</sub> H <sub>10</sub>	50 µg/mL in toluene	1.2 mL	お問い合わせ
ULM-8239-1.2	2-Methyl-1-naphthol (unlabeled)	C <sub>11</sub> H <sub>10</sub> O	50 µg/mL in toluene	1.2 mL	¥38,000

### Halogenated Polycyclic Aromatic Hydrocarbon (PAH) Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-9028-1.2	7-Bromobenz[a]anthracene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>12</sub> H <sub>11</sub> Br	50 µg/mL in toluene	1.2 mL	¥293,000
ULM-9025-1.2	7-Bromobenz[a]anthracene (unlabeled)	C <sub>18</sub> H <sub>11</sub> Br	50 µg/mL in toluene	1.2 mL	¥128,000
ULM-8269-1.2	9-Chloroanthracene (unlabeled)	C <sub>14</sub> H <sub>9</sub> Cl	50 µg/mL in toluene	1.2 mL	¥128,000
CLM-8989-1.2	7-Chlorobenz[a]anthracene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>12</sub> H <sub>11</sub> Cl	50 µg/mL in toluene	1.2 mL	¥293,000
ULM-9011-1.2	7-Chlorobenz[a]anthracene (unlabeled)	C <sub>18</sub> H <sub>11</sub> Cl	50 µg/mL in toluene	1.2 mL	¥128,000
ULM-8270-1.2	9-Chlorophenanthrene (unlabeled)	C <sub>14</sub> H <sub>9</sub> Cl	50 µg/mL in toluene	1.2 mL	¥128,000
CLM-8267-1.2	1-Chloropyrene (mix of ring labeling) ( <sup>13</sup> C <sub>6</sub> , 99%)	C <sub>10</sub> *C <sub>6</sub> H <sub>9</sub> Cl	50 µg/mL in toluene	1.2 mL	¥293,000
ULM-8268-1.2	1-Chloropyrene (unlabeled)	C <sub>16</sub> H <sub>9</sub> Cl	50 µg/mL in toluene	1.2 mL	¥128,000
CLM-9029-1.2	7,12-Dichlorobenz[a]anthracene ( <sup>13</sup> C <sub>6</sub> , 99%)	C <sub>12</sub> *C <sub>6</sub> H <sub>10</sub> Cl <sub>2</sub>	50 µg/mL in toluene	1.2 mL	¥299,000
ULM-9024-1.2	7,12-Dichlorobenz[a]anthracene (unlabeled)	C <sub>18</sub> H <sub>10</sub> Cl <sub>2</sub>	50 µg/mL in toluene	1.2 mL	¥135,000

### Nitro Polycyclic Aromatic Hydrocarbon (PAH) Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
DLM-3836-1.2	5-Nitroacenaphthene (D <sub>9</sub> , 98%)	C <sub>12</sub> D <sub>9</sub> NO <sub>2</sub>	50 µg/mL in toluene-D <sub>8</sub>	1.2 mL	¥93,000
ULM-8790-1.2	5-Nitroacenaphthene (unlabeled)	C <sub>12</sub> H <sub>9</sub> NO <sub>2</sub>	50 µg/mL in toluene	1.2 mL	¥23,000
DLM-4712-1.2	9-Nitroanthracene (D <sub>9</sub> , 98%)	C <sub>14</sub> D <sub>9</sub> NO <sub>2</sub>	50 µg/mL in toluene-D <sub>8</sub>	1.2 mL	¥98,000
ULM-8365-1.2	9-Nitroanthracene (unlabeled)	C <sub>14</sub> H <sub>9</sub> NO <sub>2</sub>	50 µg/mL in toluene	1.2 mL	¥26,000
DLM-3839-1.2	6-Nitrochrysene (D <sub>11</sub> , 98%)	C <sub>18</sub> D <sub>11</sub> NO <sub>2</sub>	50 µg/mL in toluene-D <sub>8</sub>	1.2 mL	¥101,000
ULM-3881-1.2	6-Nitrochrysene (unlabeled)	C <sub>18</sub> H <sub>11</sub> NO <sub>2</sub>	50 µg/mL in toluene	1.2 mL	¥23,000
DLM-4711-1.2	3-Nitrofluoranthene (D <sub>9</sub> , 98%) CP 87%	C <sub>16</sub> D <sub>9</sub> NO <sub>2</sub>	50 µg/mL in toluene-D <sub>8</sub>	1.2 mL	¥89,000
ULM-6600-1.2	3-Nitrofluoranthene (unlabeled) CP 87%	C <sub>16</sub> H <sub>9</sub> NO <sub>2</sub>	50 µg/mL in toluene	1.2 mL	¥26,000
DLM-3837-1.2	2-Nitrofluorene (D <sub>9</sub> , 98%)	C <sub>13</sub> D <sub>9</sub> NO <sub>2</sub>	50 µg/mL in toluene-D <sub>8</sub>	1.2 mL	¥101,000
ULM-3883-1.2	2-Nitrofluorene (unlabeled)	C <sub>13</sub> H <sub>9</sub> NO <sub>2</sub>	50 µg/mL in toluene	1.2 mL	¥23,000
DLM-1528-1.2	1-Nitropyrene (D <sub>9</sub> , 98%)	C <sub>18</sub> D <sub>9</sub> NO <sub>2</sub>	50 µg/mL in toluene-D <sub>8</sub>	1.2 mL	¥89,000
ULM-3978-1.2	1-Nitropyrene (unlabeled)	C <sub>18</sub> H <sub>9</sub> NO <sub>2</sub>	50 µg/mL in toluene	1.2 mL	¥23,000

### Benzo[a]pyrene Metabolites

Catalog No.	Compound	Concentration	Amount	Price(¥)
CLM-7245-1.2	(+/-)-Benzo[a]pyrene R-7,T-8,C-9,C-10-tetrahydrotetrol (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in methanol	1.2 mL	¥299,000
CLM-7246-1.2	(+/-)-Benzo[a]pyrene R-7,T-8,T-9,C-10-tetrahydrotetrol (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in methanol	1.2 mL	¥299,000
CLM-7308-1.2	(+/-)-Benzo[a]pyrene R-7,T-8,C-9,T-10-tetrahydrotetrol (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in methanol	1.2 mL	¥299,000
CLM-7627-1.2	(+/-)-Benzo[a]pyrene R-7,T-8,T-9,T-10-tetrahydrotetrol (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 µg/mL in methanol	1.2 mL	¥299,000

## Polycyclic Aromatic Compound (PAC) Standards and Standard Mixtures

### Hydroxy Polycyclic Aromatic Hydrocarbon (PAH) Standards

Catalog No.	Compound	Concentration	Amount	Price(¥)
CLM-4860-T-1.2	6-Hydroxychrysene (mix of ring labeling) ( $^{13}\text{C}_6$ , 99%)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥225,000
ULM-7552-1.2	6-Hydroxychrysene (unlabeled)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥59,000
CLM-6087-1.2	2-Hydroxyfluorene (random- $^{13}\text{C}_6$ , 99%)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥225,000
ULM-8973-1.2	2-Hydroxyfluorene (unlabeled)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥59,000
CLM-8977-1.2	3-Hydroxyfluorene ( $^{13}\text{C}_6$ , 99%)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥225,000
ULM-8974-1.2	3-Hydroxyfluorene (unlabeled)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥59,000
CLM-7700-1.2	9-Hydroxyfluorene ( $^{13}\text{C}_6$ , 99%)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥225,000
ULM-8975-1.2	9-Hydroxyfluorene (unlabeled)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥59,000
CLM-7701-1.2	1-Hydroxynaphthalene (1-naphthol) ( $^{13}\text{C}_6$ , 99%)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥195,000
ULM-8971-1.2	1-Hydroxynaphthalene (1-naphthol) (unlabeled)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥59,000
CLM-7713-1.2	2-Hydroxynaphthalene (2-naphthol) ( $^{13}\text{C}_6$ , 99%)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥195,000
ULM-8972-1.2	2-Hydroxynaphthalene (2-naphthol) (unlabeled)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥59,000
CLM-7669-1.2	1-Hydroxyphenanthrene ( $^{13}\text{C}_4$ , 99%)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥225,000
ULM-7929-1.2	1-Hydroxyphenanthrene (unlabeled)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥59,000
CLM-8463-T-1.2	2-Hydroxyphenanthrene ( $^{13}\text{C}_6$ , 99%)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥195,000
ULM-8464-T-1.2	2-Hydroxyphenanthrene (unlabeled)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥59,000
CLM-4859-T-1.2	3-Hydroxyphenanthrene ( $^{13}\text{C}_6$ , 99%)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥195,000
ULM-7446-1.2	3-Hydroxyphenanthrene (unlabeled)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥59,000
CLM-7670-1.2	4-Hydroxyphenanthrene ( $^{13}\text{C}_4$ , 99%)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥225,000
ULM-7928-1.2	4-Hydroxyphenanthrene (unlabeled)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥59,000
CLM-9012-1.2	1-Hydroxypyrene ( $^{13}\text{C}_6$ , 99%)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥225,000
ULM-8976-1.2	1-Hydroxypyrene (unlabeled)	50 $\mu\text{g}/\text{mL}$ in toluene	1.2 mL	¥59,000

## Polycyclic Aromatic Compound (PAC) Standards and Standard Mixtures

### Isotope-Labeled Polychlorinated Naphthalene (PCN) Standards

Catalog No.	Compound	PCN	Concentration	Amount	Price(¥)
ECN-5217	2-Monochloronaphthalene ( <sup>13</sup> C <sub>10</sub> , 99%)	2	10 µg/mL in isooctane	1.2 mL	¥135,000
ECN-5520	1,5-Dichloronaphthalene ( <sup>13</sup> C <sub>10</sub> , 99%)	6	10 µg/mL in isooctane	1.2 mL	¥135,000
ECN-5575	1,2,3-Trichloronaphthalene ( <sup>13</sup> C <sub>10</sub> , 99%)	13	10 µg/mL in isooctane		お問い合わせ
ECN-5240	1,2,3,4-Tetrachloronaphthalene ( <sup>13</sup> C <sub>10</sub> , 99%)	27	10 µg/mL in isooctane	1.2 mL	¥149,000
ECN-5241	1,3,5,7-Tetrachloronaphthalene ( <sup>13</sup> C <sub>10</sub> , 99%)	42	10 µg/mL in isooctane	1.2 mL	¥149,000
ECN-5250	1,2,3,5,7-Pentachloronaphthalene ( <sup>13</sup> C <sub>10</sub> , 99%)	52	10 µg/mL in isooctane	1.2 mL	¥149,000
ECN-5260	1,2,3,4,5,7-Hexachloronaphthalene ( <sup>13</sup> C <sub>10</sub> , 99%)	64	10 µg/mL in isooctane	1.2 mL	¥149,000
ECN-5267	1,2,3,4,5,8-Hexachloronaphthalene ( <sup>13</sup> C <sub>10</sub> , 99%)	65	10 µg/mL in isooctane	1.2 mL	¥149,000
ECN-5261-A	1,2,3,5,6,7-Hexachloronaphthalene ( <sup>13</sup> C <sub>10</sub> , 99%)	67	10 µg/mL in isooctane	1.2 mL	¥149,000
ECN-5270-A	1,2,3,4,5,6,7-Heptachloronaphthalene ( <sup>13</sup> C <sub>10</sub> , 99%)	73	10 µg/mL in isooctane	1.2 mL	¥149,000
ECN-5280	Octachloronaphthalene ( <sup>13</sup> C <sub>10</sub> , 99%)	75	10 µg/mL in isooctane	1.2 mL	¥149,000
DLM-2005-1.2	2-Chloronaphthalene (D <sub>7</sub> , 98%)		100 µg/mL in nonane	1.2 mL	¥68,000
DLM-2005-0.01			neat	0.01 g	¥89,000
DLM-2005-0.1			neat	0.1 g	¥315,000

### Unlabeled Polychlorinated Naphthalene (PCN) Standards

Catalog No.	Compound	PCN	Concentration	Amount	Price(¥)
ECN-2610	1-Monochloronaphthalene	1	100 µg/mL in nonane	1 mL	お問い合わせ
ECN-2611	2-Monochloronaphthalene	2	100 µg/mL in nonane	1 mL	¥38,000
ECN-2620	1,2-Dichloronaphthalene	3	100 µg/mL in nonane	1 mL	¥75,000
ECN-2621	1,4-Dichloronaphthalene	5	100 µg/mL in nonane	1 mL	¥75,000
ECN-2622	1,5-Dichloronaphthalene	6	100 µg/mL in nonane	1 mL	¥75,000
ECN-2623	1,8-Dichloronaphthalene	9	100 µg/mL in nonane	1 mL	¥75,000
ECN-2624	2,3-Dichloronaphthalene	10	100 µg/mL in nonane	1 mL	¥75,000
ECN-2630	1,2,3-Trichloronaphthalene	13	100 µg/mL in nonane	1 mL	¥90,000
ECN-2632	1,2,4-Trichloronaphthalene	14	100 µg/mL in nonane	1 mL	お問い合わせ
ECN-2631	1,4,6-Trichloronaphthalene	24	100 µg/mL in nonane	1 mL	¥90,000
ECN-2640	1,2,3,4-Tetrachloronaphthalene	27	100 µg/mL in nonane	1 mL	¥90,000
ECN-2645	1,2,3,5-Tetrachloronaphthalene	28	100 µg/mL in nonane	1 mL	¥90,000
ECN-2646	1,2,3,8-Tetrachloronaphthalene	31	100 µg/mL in nonane	1 mL	¥90,000
ECN-2642	1,2,5,6-Tetrachloronaphthalene	36	100 µg/mL in nonane	1 mL	お問い合わせ
ECN-2641	1,3,5,7-Tetrachloronaphthalene	42	100 µg/mL in nonane	1 mL	¥90,000
ECN-2644	1,4,5,8-Tetrachloronaphthalene	46	100 µg/mL in nonane	1 mL	¥90,000
ECN-2643	2,3,6,7-Tetrachloronaphthalene	48	100 µg/mL in nonane	1 mL	¥90,000
ECN-2654	1,2,3,4,5-Pentachloronaphthalene	49	100 µg/mL in nonane	1 mL	¥105,000
ECN-2652	1,2,3,4,6-Pentachloronaphthalene	50	100 µg/mL in nonane	1 mL	¥105,000
ECN-2651	1,2,3,5,7-Pentachloronaphthalene	52	100 µg/mL in nonane	1 mL	¥105,000
ECN-2650	1,2,3,5,8-Pentachloronaphthalene	53	100 µg/mL in nonane	1 mL	¥105,000
ECN-2653	1,2,3,6,7-Pentachloronaphthalene	54	100 µg/mL in nonane	1 mL	¥105,000
ECN-2656	1,2,4,5,8-Pentachloronaphthalene	59	100 µg/mL in nonane	1 mL	¥105,000
ECN-2655	1,2,4,6,7-Pentachloronaphthalene	60	100 µg/mL in nonane	1 mL	¥105,000
ECN-2668	1,2,3,4,5,6-Hexachloronaphthalene	63	100 µg/mL in nonane	1 mL	¥105,000
ECN-2669	1,2,3,4,5,7-Hexachloronaphthalene	64	100 µg/mL in nonane	1 mL	¥105,000
ECN-2667	1,2,3,4,5,8-Hexachloronaphthalene	65	100 µg/mL in nonane	1 mL	¥105,000
ECN-2660	1,2,3,4,6,7-Hexachloronaphthalene	66	100 µg/mL in nonane	1 mL	¥105,000
ECN-2663	1,2,3,5,6,7-Hexachloronaphthalene	67	100 µg/mL in nonane	1 mL	¥105,000
ECN-2664	1,2,3,5,6,8-Hexachloronaphthalene	68	100 µg/mL in nonane	1 mL	¥105,000
ECN-2662	1,2,3,5,7,8-Hexachloronaphthalene	69	100 µg/mL in nonane	1 mL	¥105,000
ECN-2665	1,2,3,6,7,8-Hexachloronaphthalene	70	100 µg/mL in nonane	1 mL	¥105,000
ECN-2666	1,2,4,5,6,8-Hexachloronaphthalene	71	100 µg/mL in nonane	1 mL	¥105,000
ECN-2661	1,2,4,5,7,8-Hexachloronaphthalene	72	100 µg/mL in nonane	1 mL	¥105,000
ECN-2670	1,2,3,4,5,6,7-Heptachloronaphthalene	73	100 µg/mL in nonane	1 mL	¥105,000
ECN-2671	1,2,3,4,5,6,8-Heptachloronaphthalene	74	100 µg/mL in nonane	1 mL	¥105,000
ECN-2680	Octachloronaphthalene	75	100 µg/mL in nonane	1 mL	¥38,000



# Priority Pollutant, Endocrine Disruptor, and Chemical Contaminant Standards

## Personal Care Product Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
DLM-183-1.2	Benzophenone (D <sub>10</sub> , 98%)	C <sub>6</sub> D <sub>5</sub> COC <sub>6</sub> D <sub>5</sub>	100 µg/mL in nonane	1.2 mL	¥89,000
ULM-8303-1.2	Benzophenone (unlabeled)	C <sub>6</sub> H <sub>5</sub> COC <sub>6</sub> H <sub>5</sub>	100 µg/mL in nonane	1.2 mL	¥23,000
CLM-9437-1.2	Decamethylcyclopentasiloxane "D5" (decamethyl- <sup>13</sup> C <sub>10</sub> , 98%)	*C <sub>10</sub> H <sub>30</sub> O <sub>5</sub> Si <sub>5</sub>	100 µg/mL in methanol	1.2 mL	¥293,000
ULM-9442-1.2	Decamethylcyclopentasiloxane "D5" (unlabeled)	C <sub>10</sub> H <sub>30</sub> O <sub>5</sub> Si <sub>5</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-4762-1.2	<i>N,N</i> -Diethyl- <i>m</i> -toluamide (DEET)	CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> CON(CH <sub>2</sub> CD <sub>3</sub> ) <sub>2</sub>	100 µg/mL in MeCl	1.2 mL	¥110,000
DLM-4762-D-1.2	(dimethyl-D <sub>6</sub> , 98%)		100 µg/mL in dioxane	1.2 mL	¥110,000
ULM-7975-1.2	<i>N,N</i> -Diethyl- <i>m</i> -toluamide (DEET) (unlabeled)	CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> CON(CH <sub>2</sub> CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in MeCl	1.2 mL	¥29,000
ULM-7975-D-1.2			100 µg/mL in dioxane	1.2 mL	¥29,000
CLM-10232-1.2	Dodecamethylcyclohexasiloxane "D6" (methyl- <sup>13</sup> C <sub>6</sub> , 98%)	C <sub>6</sub> *C <sub>6</sub> H <sub>36</sub> O <sub>6</sub> Si <sub>6</sub>	100 µg/mL in methanol	1.2 mL	¥293,000
ULM-9443-1.2	Dodecamethylcyclohexasiloxane "D6" (unlabeled)	C <sub>12</sub> H <sub>36</sub> O <sub>6</sub> Si <sub>6</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-9349-1.2	4-Dodecylbenzenesulfonate, sodium salt (ring- <sup>13</sup> C <sub>6</sub> , 99%) CP 94%	*C <sub>6</sub> C <sub>12</sub> H <sub>29</sub> NaO <sub>3</sub> S	10 µg/mL in methanol	1.2 mL	¥105,000
ULM-9350-1.2	4-Dodecylbenzenesulfonate, sodium salt (unlabeled)	C <sub>18</sub> H <sub>29</sub> NaO <sub>3</sub> S	10 µg/mL in methanol	1.2 mL	¥29,000
CLM-8008-1.2	Hexachlorophene ( <sup>13</sup> C <sub>13</sub> , 99%)	*CH <sub>2</sub> [*C <sub>6</sub> H(Cl) <sub>3</sub> OH] <sub>2</sub>	50 µg/mL in methanol	1.2 mL	¥135,000
ULM-8009-1.2	Hexachlorophene (unlabeled)	CH <sub>2</sub> [C <sub>6</sub> H(Cl) <sub>3</sub> OH] <sub>2</sub>	50 µg/mL in methanol	1.2 mL	¥38,000
CLM-9542-1.2	Hexamethylcyclotrisiloxane "D3" (hexamethyl- <sup>13</sup> C <sub>6</sub> , 98%)	*C <sub>6</sub> H <sub>18</sub> O <sub>3</sub> Si <sub>3</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9687-1.2	Hexamethylcyclotrisiloxane "D3" (unlabeled)	C <sub>6</sub> H <sub>18</sub> O <sub>3</sub> Si <sub>3</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-4745-1.2	4-Hydroxybenzoic acid (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥98,000
ULM-8251-1.2	4-Hydroxybenzoic acid (unlabeled)	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
CLM-7885-1.2	Methyl triclosan (2,4,4-trichloro-2-methoxydiphenyl ether) (ring- <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> CH <sub>9</sub> Cl <sub>3</sub> O <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥98,000
ULM-7884-1.2	Methyl triclosan (2,4,4-trichloro-2-methoxydiphenyl ether) (unlabeled)	C <sub>12</sub> CH <sub>9</sub> Cl <sub>3</sub> O <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥38,000
CLM-9436-1.2	Octamethylcyclotetrasiloxane "D4" (octamethyl- <sup>13</sup> C <sub>8</sub> , 98%)	*C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	100 µg/mL in methanol	1.2 mL	¥293,000
ULM-9441-1.2	Octamethylcyclotetrasiloxane "D4" (unlabeled)	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-9849-1.2	Benzyl paraben (benzyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>8</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
ULM-9850-1.2	Benzyl paraben (benzyl 4-hydroxybenzoate) (unlabeled)	C <sub>14</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
CLM-8285-1.2	<i>n</i> -Butyl paraben (ring- <sup>13</sup> C <sub>6</sub> , 99%)	HO*C <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥149,000
ULM-8287-1.2	<i>n</i> -Butyl paraben (unlabeled)	HOC <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
CLM-9761-1.2	Ethyl paraben (ethyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>8</sub> H <sub>10</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥113,000
ULM-9760-1.2	Ethyl paraben (ethyl 4-hydroxybenzoate) (unlabeled)	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
CLM-9847-1.2	Isobutyl paraben (isobutyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>5</sub> H <sub>14</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
ULM-9848-1.2	Isobutyl paraben (isobutyl 4-hydroxybenzoate) (unlabeled)	C <sub>11</sub> H <sub>14</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
CLM-9845-1.2	Isopropyl paraben (isopropyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
ULM-9846-1.2	Isopropyl paraben (isopropyl 4-hydroxybenzoate) (unlabeled)	C <sub>10</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
CLM-8249-1.2	Methyl paraben (methyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>2</sub> H <sub>8</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥108,000
ULM-8250-1.2	Methyl paraben (methyl 4-hydroxybenzoate) (unlabeled)	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
CLM-9763-1.2	<i>n</i> -Propyl paraben ( <i>n</i> -propyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥119,000
ULM-9762-1.2	<i>n</i> -Propyl paraben ( <i>n</i> -propyl 4-hydroxybenzoate) (unlabeled)	C <sub>10</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
CLM-8525-1.2	Oxybenzone (phenyl- <sup>13</sup> C <sub>6</sub> , 99%)	HOC <sub>6</sub> H <sub>3</sub> (OCH <sub>3</sub> )CO*C <sub>6</sub> H <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-8531-1.2	Oxybenzone (unlabeled)	HOC <sub>6</sub> H <sub>3</sub> (OCH <sub>3</sub> )COC <sub>6</sub> H <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥38,000

# Priority Pollutant, Endocrine Disruptor, and Chemical Contaminant Standards

## Personal Care Product Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-7286-1.2	Triclocarbon (3,4,4'-trichlorocarbanilide) (4'-chlorophenyl- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>7</sub> H <sub>5</sub> Cl <sub>3</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥128,000
ULM-7968-1.2	Triclocarbon (3,4,4'-trichlorocarbanilide) (unlabeled)	C <sub>13</sub> H <sub>9</sub> Cl <sub>3</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-6779-1.2	Triclosan (2',4,4'-trichloro-2-hydroxydiphenyl ether) ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>7</sub> Cl <sub>3</sub> O <sub>2</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
CLM-6779-MT-1.2			100 µg/mL in MTBE	1.2 mL	¥149,000
ULM-6935-1.2	Triclosan (2',4,4'-trichloro-2-hydroxydiphenyl ether) (unlabeled)	C <sub>12</sub> H <sub>7</sub> Cl <sub>3</sub> O <sub>2</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
ULM-6935-MT-1.2			100 µg/mL in MTBE	1.2 mL	¥38,000

## Sex and Steroidal Hormone Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
DLM-8438-0.001	Aldosterone (2,2,4,6,6,17,21,21-D <sub>8</sub> )	C <sub>21</sub> D <sub>8</sub> H <sub>20</sub> O <sub>5</sub>	neat	1 mg	お問い合わせ
ULM-9134-0.001	Aldosterone (unlabeled) CP 95%	C <sub>21</sub> H <sub>28</sub> O <sub>5</sub>	neat	1 mg	¥16,000
ULM-9163-0.001	3-α,5-β-Tetrahydroaldosterone (unlabeled)	C <sub>21</sub> H <sub>32</sub> O <sub>5</sub>	neat	1 mg	¥149,000
CLM-9135-C	4-Androstene-3,17-dione (2,3,4- <sup>13</sup> C <sub>3</sub> , 98%)	*C <sub>3</sub> C <sub>16</sub> H <sub>26</sub> O <sub>2</sub>	100 µg/mL in methanol	1 mL	¥83,000
CLM-9135-D			1000 µg/mL in methanol	1 mL	¥125,000
DLM-8330-0.05	4-Androstene-3,17-dione (2,2,4,6,6-D <sub>5</sub> , 98%)	C <sub>19</sub> D <sub>5</sub> H <sub>21</sub> O <sub>2</sub>	neat	0.05 g	¥176,000
ULM-8472-C	4-Androstene-3,17-dione (unlabeled)	C <sub>19</sub> H <sub>26</sub> O <sub>2</sub>	100 µg/mL in methanol	1 mL	¥38,000
ULM-8472-D			1000 µg/mL in methanol	1 mL	¥51,000
DLM-9137-0.001	Androsterone glucuronide (2,2,4,4-D <sub>4</sub> , 98%)	C <sub>25</sub> D <sub>4</sub> H <sub>34</sub> O <sub>8</sub>	neat	1 mg	お問い合わせ
ULM-9138-0.005	Androsterone glucuronide (unlabeled)	C <sub>25</sub> H <sub>38</sub> O <sub>8</sub>	neat	5 mg	お問い合わせ
DLM-9541-0.01	Chenodeoxycholic acid (2,2,3,4,4,6,6,7,8-D <sub>9</sub> , 98%)	C <sub>24</sub> D <sub>9</sub> H <sub>31</sub> O <sub>4</sub>	neat	10 mg	¥105,000
ULM-9540-0.05	Chenodeoxycholic acid (unlabeled)	C <sub>24</sub> H <sub>40</sub> O <sub>4</sub>	neat	50 mg	¥23,000
DLM-8276-0.1	Cholestenone (2,2,4,6,6-D <sub>5</sub> , 98%)	C <sub>27</sub> D <sub>5</sub> H <sub>39</sub> O	neat	0.1 g	¥165,000
CLM-9139-B	Cholesterol (2,3,4- <sup>13</sup> C <sub>3</sub> , 98%)	*C <sub>3</sub> C <sub>24</sub> H <sub>46</sub> O	50 µg/mL in chloroform	1 mL	¥46,000
CLM-9139-C			100 µg/mL in chloroform	1 mL	¥88,000
CLM-9587-1.2	Cholesterol (23,24,25,26,27- <sup>13</sup> C <sub>5</sub> , 99%)	*C <sub>5</sub> C <sub>22</sub> H <sub>46</sub> O	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-804-0.1	Cholesterol (3,4- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>25</sub> H <sub>46</sub> O	neat	0.1 g	¥200,000
DLM-2607-0.1	Cholesterol (2,2,3,4,4,6-D <sub>6</sub> , 97-98%)	C <sub>27</sub> H <sub>40</sub> D <sub>6</sub> O	neat	0.1 g	¥243,000
DLM-3057-0.01	Cholesterol (25,26,26,26,27,27,27-D <sub>7</sub> , 98%)	C <sub>27</sub> H <sub>39</sub> D <sub>7</sub> O	neat	0.01 g	¥97,000
ULM-9140-C	Cholesterol (unlabeled)	C <sub>27</sub> H <sub>46</sub> O	100 µg/mL in chloroform	1 mL	お問い合わせ
ULM-9140-D			1000 µg/mL in chloroform	1 mL	お問い合わせ
DLM-2611-0.05	Cholic acid (2,2,4,4-D <sub>4</sub> , 98%)	C <sub>24</sub> H <sub>36</sub> D <sub>4</sub> O <sub>5</sub>	neat	50 mg	¥51,000
ULM-9543-0.05	Cholic acid (unlabeled)	C <sub>24</sub> H <sub>40</sub> O <sub>5</sub>	neat	50 mg	¥15,000
DLM-7347-0.01	Corticosterone (2,2,4,6,6,17α,21,21-D <sub>8</sub> , 97-98%)	C <sub>21</sub> D <sub>8</sub> H <sub>22</sub> O <sub>4</sub>	neat	0.01 g	¥68,000
DLM-2057-0.01	Cortisol (9,12,12-D <sub>3</sub> , 98%)	C <sub>21</sub> H <sub>27</sub> D <sub>3</sub> O <sub>5</sub>	neat	0.01 g	¥428,000
DLM-2218-0.1MG	Cortisol (9,11,12,12-D <sub>4</sub> , 98%)	C <sub>21</sub> D <sub>4</sub> H <sub>26</sub> O <sub>5</sub>	neat	0.1 mg	¥143,000
ULM-7823-0.1MG	Cortisol (unlabeled)	C <sub>21</sub> H <sub>30</sub> O <sub>5</sub>	neat	0.1 mg	¥38,000
ULM-9141-C	Cortisol (unlabeled)	C <sub>21</sub> H <sub>30</sub> O <sub>5</sub>	100 µg/mL in methanol	1 mL	¥38,000
ULM-9141-D			1000 µg/mL in methanol	1 mL	¥51,000
DLM-9142-0.001	Cortisone (2,2,4,6,6,12,12-D <sub>7</sub> , 98%)	C <sub>21</sub> D <sub>7</sub> H <sub>21</sub> O <sub>5</sub>	neat	1 mg	お問い合わせ
ULM-9202-0.001	Cortisone (unlabeled)	C <sub>21</sub> H <sub>28</sub> O <sub>5</sub>	neat	1 mg	¥13,000
DLM-8049-0.005	Dehydroepiandrosterone (DHEA) (2,2,3,4,4,6-D <sub>6</sub> , 99%) CP 97%	C <sub>19</sub> H <sub>22</sub> D <sub>6</sub> O <sub>2</sub>	neat	5 mg	¥293,000
ULM-9143-C	Dehydroepiandrosterone (DHEA) (unlabeled)	C <sub>19</sub> H <sub>28</sub> O <sub>2</sub>	100 µg/mL in methanol	1 mL	¥18,000
ULM-9143-D			1000 µg/mL in methanol	1 mL	¥23,000
ULM-9144-C	Dehydroepiandrosterone sulfate, sodium salt (DHEAS) (unlabeled)	C <sub>19</sub> H <sub>28</sub> O <sub>5</sub> S	100 µg/mL in methanol	1 mL	¥23,000
ULM-9144-D			1000 µg/mL in methanol	1 mL	¥27,000
DLM-2824-0.01	Deoxycholic acid (2,2,4,4-D <sub>4</sub> , 98%)	C <sub>24</sub> H <sub>36</sub> D <sub>4</sub> O <sub>4</sub>	neat	10 mg	¥36,000
DLM-9546-0.01	Deoxycholic acid (2,2,4,4,11,11-D <sub>6</sub> , 98%)	C <sub>24</sub> H <sub>34</sub> D <sub>6</sub> O <sub>4</sub>	neat	10 mg	¥98,000
ULM-9545-0.05	Deoxycholic acid (unlabeled)	C <sub>24</sub> H <sub>40</sub> O <sub>4</sub>	neat	50 mg	¥15,000
DLM-8305-0.01	21-Deoxycortisol (2,2,4,6,6,21,21,21-D <sub>8</sub> , 97%)	C <sub>21</sub> D <sub>8</sub> H <sub>22</sub> O <sub>4</sub>	neat	0.01 g	お問い合わせ
ULM-9145-C	11-Deoxycortisol (unlabeled)	C <sub>21</sub> H <sub>30</sub> O <sub>4</sub>	100 µg/mL in methanol	1 mL	¥38,000
ULM-9145-D			1000 µg/mL in methanol	1 mL	¥51,000
DLM-170-D-1.2	Diethylstilbestrol ( <i>cis/trans</i> mix) (ring-3,3',5,5'-diethyl-1,1',1',1'-D <sub>8</sub> , 98%)	HOC <sub>6</sub> D <sub>2</sub> H <sub>2</sub> (CH <sub>3</sub> CD <sub>2</sub> ) C=C(CD <sub>2</sub> CH <sub>3</sub> )C <sub>6</sub> H <sub>2</sub> D <sub>2</sub> OH	100 µg/mL in dioxane	1.2 mL	¥98,000

# Priority Pollutant, Endocrine Disruptor, and Chemical Contaminant Standards

## Sex and Steroidal Hormone Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
ULM-7921-D-1.2	Diethylstilbestrol ( <i>cis/trans</i> mix) (unlabeled)	$\text{HOC}_6\text{H}_4(\text{CH}_2\text{CH}_2)\text{C}=\text{C}(\text{CH}_2\text{CH}_3)_2\text{C}_6\text{H}_4\text{OH}$	100 µg/mL in dioxane	1.2 mL	¥29,000
CLM-9146-C	5- $\alpha$ -Dihydrotestosterone (2,3,4- $^{13}\text{C}_3$ , 99%)	$^*\text{C}_3\text{C}_{16}\text{H}_{28}\text{O}_2$	100 µg/mL in methanol	1 mL	¥99,000
CLM-9146-D			1000 µg/mL in methanol	1 mL	¥146,000
CLM-7936-0.1MG	DL-Estradiol (13,14,15,16,17,18- $^{13}\text{C}_6$ , 99%)	$\text{C}_{12}^*\text{C}_6\text{H}_{24}\text{O}_2$	neat	0.1 mg	¥89,000
CLM-7936-1.2			100 µg/mL in methanol	1.2 mL	¥128,000
CLM-803-1.2	Estradiol (3,4- $^{13}\text{C}_2$ , 99%)	$^*\text{C}_2\text{C}_{16}\text{H}_{24}\text{O}_2$	100 µg/mL in acetonitrile	1.2 mL	¥113,000
DLM-2487-5	Estradiol (2,4,16,16- $\text{D}_4$ , 95-97%)	$\text{C}_{18}\text{H}_{20}\text{D}_4\text{O}_2$	neat	5 mg	¥40,000
ULM-7449-0.1MG	Estradiol (unlabeled)	$\text{C}_{18}\text{H}_{24}\text{O}_2$	neat	0.1 mg	¥45,000
ULM-7449-1.2			100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-9147-C	Estriol (16- $\alpha$ -hydroxyestradiol) (2,3,4- $^{13}\text{C}_3$ , 99%)	$^*\text{C}_3\text{C}_{15}\text{H}_{24}\text{O}_3$	100 µg/mL in methanol	1 mL	お問い合わせ
DLM-8583-0.1MG	Estriol (2,4,16,17- $\text{D}_4$ , 98%) CP 95%	$\text{C}_{18}\text{D}_4\text{H}_{20}\text{O}_3$	neat	0.1 mg	¥107,000
ULM-8218-0.1MG	Estriol (unlabeled)	$\text{C}_{18}\text{H}_{24}\text{O}_3$	neat	0.1 mg	¥29,000
CLM-7935-0.1MG	DL-Estrone (13,14,15,16,17,18- $^{13}\text{C}_6$ , 99%)	$\text{C}_{12}^*\text{C}_6\text{H}_{22}\text{O}_2$	neat	0.1 mg	¥89,000
CLM-7935-1.2			100 µg/mL in methanol	1.2 mL	¥128,000
CLM-9148-B	Estrone (2,3,4- $^{13}\text{C}_3$ , 99%)	$^*\text{C}_3\text{C}_{15}\text{H}_{22}\text{O}_2$	50 µg/mL in methanol	1 mL	¥39,000
CLM-9148-C			100 µg/mL in methanol	1 mL	¥55,000
CLM-673-1.2	Estrone (3,4- $^{13}\text{C}_2$ , 90%)	$^*\text{C}_2\text{C}_{16}\text{H}_{22}\text{O}_2$	100 µg/mL in acetonitrile	1.2 mL	¥98,000
DLM-3976-5	Estrone (2,4,16,16- $\text{D}_4$ , 97%)	$\text{C}_{18}\text{H}_{18}\text{D}_4\text{O}_2$	neat	5 mg	¥39,000
ULM-7212-1.2	Estrone (unlabeled)	$\text{C}_{18}\text{H}_{22}\text{O}_2$	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-8033-0.1MG	DL-Estrone 3-methyl ether (13,14,15,16,17,18- $^{13}\text{C}_6$ , 99%)	$^*\text{C}_6\text{C}_{13}\text{H}_{24}\text{O}_2$	neat	0.1 mg	¥149,000
CLM-8018-0.1MG	DL-Sodium estrone 3-sulfate (13,14,15,16,17,18- $^{13}\text{C}_6$ , 99%) (12-13%-sodium acetate)	$^*\text{C}_6\text{C}_{12}\text{H}_{21}\text{O}_5\text{SNa}$	neat	0.1 mg	¥149,000
ULM-8132-0.1MG	Sodium estrone 3-sulfate (unlabeled)	$\text{C}_{18}\text{H}_{21}\text{O}_5\text{SNa}$	neat	0.1 mg	¥50,000
CLM-3375-1.2	Ethynylestradiol (20,21- $^{13}\text{C}_2$ , 99%)	$^*\text{C}_2\text{C}_{18}\text{H}_{24}\text{O}_2$	100 µg/mL in acetonitrile	1.2 mL	¥108,000
DLM-4691-0.01	17- $\alpha$ -Ethynylestradiol (2,4,16,16- $\text{D}_4$ , 97-98%)	$\text{C}_{20}\text{D}_4\text{H}_{20}\text{O}_2$	neat	0.01 g	¥68,000
ULM-7211-1.2	Ethynylestradiol (unlabeled)	$\text{C}_{20}\text{H}_{24}\text{O}_2$	100 µg/mL in acetonitrile	1.2 mL	¥38,000
DLM-9550-0.01	Glycochenodeoxycholic acid (2,2,3,4,4,6,6,7,8- $\text{D}_9$ , 98%) CP 97%	$\text{C}_{26}\text{D}_9\text{H}_{34}\text{NO}_5$	neat	10 mg	¥117,000
DLM-2742-0.01	Glycocholic acid (2,2,4,4- $\text{D}_4$ , 98%) (contains ~4% water)	$\text{C}_{26}\text{D}_4\text{H}_{39}\text{NO}_6$	neat	10 mg	お問い合わせ
ULM-9551-0.05	Glycocholic acid (unlabeled)	$\text{C}_{26}\text{H}_{43}\text{NO}_6$	neat	50 mg	¥15,000
DLM-9553-0.01	Glycodeoxycholic acid (2,2,4,4,11,11- $\text{D}_6$ , 98%)	$\text{C}_{26}\text{D}_6\text{H}_{37}\text{NO}_5$	neat	10 mg	¥111,000
DLM-9554-0.01	Glycodeoxycholic acid (2,2,4,4- $\text{D}_4$ , 98%)	$\text{C}_{26}\text{D}_4\text{H}_{39}\text{NO}_5$	neat	10 mg	¥69,000
ULM-9552-0.05	Glycodeoxycholic acid, sodium salt (unlabeled)	$\text{C}_{26}\text{H}_{42}\text{NNaO}_5$	neat	50 mg	¥15,000
DLM-9556-0.01	Glycolithocholic acid (2,2,4,4- $\text{D}_4$ , 98%)	$\text{C}_{26}\text{D}_4\text{H}_{39}\text{NO}_4$	neat	10 mg	¥72,000
ULM-9555-0.05	Glycolithocholic acid, sodium salt (unlabeled)	$\text{C}_{26}\text{H}_{42}\text{NNaO}_4$	neat	50 mg	¥45,000
DLM-9558-0.01	Glycoursodeoxycholic acid (2,2,4,4- $\text{D}_4$ , 98%) CP 97%	$\text{C}_{26}\text{D}_4\text{H}_{39}\text{NO}_5$	neat	10 mg	¥56,000
ULM-9557-0.05	Glycoursodeoxycholic acid (unlabeled)	$\text{C}_{26}\text{H}_{43}\text{NO}_5$	neat	50 mg	¥30,000
DLM-9150-0.001	18-Hydroxycorticosterone (9,11,12,12- $\text{D}_4$ , 98%) CP 95%	$\text{C}_{21}\text{D}_4\text{H}_{26}\text{O}_5$	neat	1 mg	¥725,000
ULM-9151-0.001	18-Hydroxycorticosterone (unlabeled) CP 95%	$\text{C}_{21}\text{H}_{30}\text{O}_5$	neat	1 mg	¥205,000
DLM-9149-0.001	6- $\beta$ -Hydroxycortisol (9,11,12,12- $\text{D}_4$ , 98%) CP 97%	$\text{C}_{21}\text{D}_4\text{H}_{26}\text{O}_6$	neat	1 mg	¥629,000
CLM-8012-0.1MG	DL-2-Hydroxyestradiol (13,14,15,16,17,18- $^{13}\text{C}_6$ , 99%)	$^*\text{C}_6\text{C}_{12}\text{H}_{24}\text{O}_3$	neat	0.1 mg	¥149,000
ULM-8135-0.1MG	2-Hydroxyestradiol (unlabeled)	$\text{C}_{18}\text{H}_{24}\text{O}_3$	neat	0.1 mg	お問い合わせ
CLM-9153-0.1MG	16- $\alpha$ -Hydroxyestrone (2,3,4- $^{13}\text{C}_3$ , 99%)	$^*\text{C}_3\text{C}_{15}\text{H}_{22}\text{O}_3$	neat	0.1 mg	¥116,000
CLM-8011-0.1MG	DL-2-Hydroxyestrone (13,14,15,16,17,18- $^{13}\text{C}_6$ , 99%)	$^*\text{C}_6\text{C}_{12}\text{H}_{22}\text{O}_3$	neat	0.1 mg	¥149,000
ULM-8134-0.1MG	2-Hydroxyestrone (unlabeled)	$\text{C}_{18}\text{H}_{22}\text{O}_3$	neat	0.1 mg	¥45,000
CLM-8013-0.1MG	DL-4-Hydroxyestrone (13,14,15,16,17,18- $^{13}\text{C}_6$ , 99%)	$^*\text{C}_6\text{C}_{12}\text{H}_{22}\text{O}_3$	neat	0.1 mg	¥149,000
ULM-8261-0.1MG	4-Hydroxyestrone (unlabeled) CP 96%	$\text{C}_{18}\text{H}_{22}\text{O}_3$	neat	0.1 mg	¥45,000
CLM-8016-0.1MG	DL-2-Hydroxyestrone-3-methyl ether (13,14,15,16,17,18- $^{13}\text{C}_6$ , 99%)	$\text{C}_{13}^*\text{C}_6\text{H}_{24}\text{O}_3$	neat	0.1 mg	¥149,000
ULM-8133-0.1MG	2-Hydroxyestrone-3-methyl ether (unlabeled)	$\text{C}_{19}\text{H}_{24}\text{O}_3$	neat	0.1 mg	¥45,000
CDLM-9154-C	17 $\alpha$ -Hydroxypregnenolone	$^*\text{C}_2\text{C}_{19}\text{D}_2\text{H}_{30}\text{O}_3$	100 µg/mL in methanol	1 mL	¥73,000
CDLM-9154-D	(20,21- $^{13}\text{C}_2$ , 99%; 16,16- $\text{D}_2$ , 99%)		1000 µg/mL in methanol	1 mL	お問い合わせ
ULM-9155-C	17 $\alpha$ -Hydroxypregnenolone (unlabeled)	$\text{C}_{21}\text{H}_{32}\text{O}_3$	100 µg/mL in methanol	1 mL	¥32,000
ULM-9155-D			1000 µg/mL in methanol	1 mL	¥47,000
CLM-9157-C	17 $\alpha$ -Hydroxyprogesterone (2,3,4- $^{13}\text{C}_3$ , 98%)	$^*\text{C}_3\text{C}_{18}\text{H}_{30}\text{O}_3$	100 µg/mL in methanol	1 mL	お問い合わせ
CLM-9157-D			1000 µg/mL in methanol	1 mL	お問い合わせ

# Priority Pollutant, Endocrine Disruptor, and Chemical Contaminant Standards

## Sex and Steroidal Hormone Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
DLM-6598-0.01	17-Hydroxyprogesterone (2,2,4,6,6,21,21,21-D <sub>8</sub> , 98%)	C <sub>21</sub> H <sub>22</sub> D <sub>8</sub> O <sub>3</sub>	neat	0.01 g	¥42,000
ULM-9156-C	17α-Hydroxyprogesterone (unlabeled) CP 95%	C <sub>21</sub> H <sub>30</sub> O <sub>3</sub>	100 µg/mL in methanol	1 mL	¥38,000
ULM-9156-D			1000 µg/mL in methanol	1 mL	¥51,000
DLM-9560-0.05	Lithocholic acid (2,2,4,4-D <sub>4</sub> , 98%)	C <sub>24</sub> D <sub>4</sub> H <sub>36</sub> O <sub>3</sub>	neat	50 mg	¥60,000
ULM-9559-0.05	Lithocholic acid (unlabeled)	C <sub>24</sub> H <sub>40</sub> O <sub>3</sub>	neat	50 mg	¥15,000
CLM-8015-0.1MG	DL-2-Methoxyestradiol (13,14,15,16,17,18- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>13</sub> H <sub>26</sub> O <sub>3</sub>	neat	0.1 mg	¥149,000
ULM-8137-0.1MG	2-Methoxyestradiol (unlabeled)	C <sub>19</sub> H <sub>26</sub> O <sub>3</sub>	neat	0.1 mg	¥45,000
CLM-8019-0.1MG	DL-4-Methoxyestradiol (13,14,15,16,17,18- <sup>13</sup> C <sub>6</sub> , 99%)	C <sub>13</sub> *C <sub>6</sub> H <sub>26</sub> O <sub>3</sub>	neat	0.1 mg	¥149,000
ULM-8136-0.1MG	4-Methoxyestradiol (unlabeled)	C <sub>19</sub> H <sub>26</sub> O <sub>3</sub>	neat	0.1 mg	¥45,000
CLM-8014-0.1MG	DL-2-Methoxyestrone (13,14,15,16,17,18- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>13</sub> H <sub>24</sub> O <sub>3</sub>	neat	0.1 mg	¥149,000
ULM-8263-0.1MG	2-Methoxyestrone (unlabeled)	C <sub>19</sub> H <sub>24</sub> O <sub>3</sub>	neat	0.1 mg	¥45,000
CLM-8017-0.1MG	DL-4-Methoxyestrone (13,14,15,16,17,18- <sup>13</sup> C <sub>6</sub> , 99%)	C <sub>13</sub> *C <sub>6</sub> H <sub>24</sub> O <sub>3</sub>	neat	0.1 mg	¥149,000
ULM-8262-0.1MG	4-Methoxyestrone (unlabeled)	C <sub>19</sub> H <sub>24</sub> O <sub>3</sub>	neat	0.1 mg	¥45,000
CLM-2468-0.01	Norethindrone (ethynyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>18</sub> H <sub>26</sub> O <sub>2</sub>	neat	0.01 g	¥150,000
DLM-3979-1.2	19-Nortestosterone (16,16,17-D <sub>3</sub> , 98%)	C <sub>18</sub> H <sub>23</sub> D <sub>3</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥113,000
DLM-3979-5			neat	5 mg	お問い合わせ
ULM-4841-1.2	19-Nortestosterone (unlabeled)	C <sub>18</sub> H <sub>26</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥38,000
DLM-3754-0.01	5-α-Pregnan-3-α-ol-20-one (17,21,21,21-D <sub>4</sub> , 96-98%) CP 95%+	C <sub>21</sub> H <sub>30</sub> D <sub>4</sub> O <sub>2</sub>	neat	0.01 g	¥189,000
DLM-2294-0.01	5-β-Pregnan-3-α-ol-20-one (17,21,21,21-D <sub>4</sub> , 96-98%)	C <sub>21</sub> H <sub>30</sub> D <sub>4</sub> O <sub>2</sub>	neat	0.01 g	¥189,000
DLM-3816-0.01	5-α-Pregnane-3,20-dione (1,2,4,5,6,7-D <sub>6</sub> , 95%)	C <sub>21</sub> H <sub>26</sub> D <sub>6</sub> O <sub>2</sub>	neat	0.01 g	¥38,000
DLM-3910-0.01	5-α-Pregnane-3-α,21-diol-20-one (17,21,21-D <sub>3</sub> , 95%)	C <sub>21</sub> H <sub>31</sub> D <sub>3</sub> O <sub>3</sub>	neat	0.01 g	¥186,000
CDLM-9158-0.001	Pregnenolone (20,21- <sup>13</sup> C <sub>2</sub> , 99%; 16,16-D <sub>2</sub> , 98%)	*C <sub>2</sub> C <sub>19</sub> D <sub>2</sub> H <sub>30</sub> O <sub>2</sub>	neat	1 mg	お問い合わせ
ULM-9159-0.001	Pregnenolone (unlabeled)	C <sub>21</sub> H <sub>32</sub> O <sub>2</sub>	neat	1 mg	¥13,000
CDLM-9160-0.001	Pregnenolone sulfate, sodium salt (20,21- <sup>13</sup> C <sub>2</sub> , 99%; 16,16-D <sub>2</sub> , 98%)	*C <sub>2</sub> C <sub>19</sub> D <sub>2</sub> H <sub>29</sub> NaO <sub>5</sub> S	neat	1 mg	¥40,000
ULM-9161-0.001	Pregnenolone sulfate, sodium salt (unlabeled)	C <sub>21</sub> H <sub>31</sub> NaO <sub>5</sub> S	neat	1 mg	お問い合わせ
CLM-9162-B	Progesterone (2,3,4- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>18</sub> H <sub>30</sub> O <sub>2</sub>	50 µg/mL in acetonitrile	1 mL	¥99,000
CLM-9162-C			100 µg/mL in acetonitrile	1 mL	¥135,000
CLM-457-0.01	Progesterone (3,4- <sup>13</sup> C <sub>2</sub> , 90%)	*C <sub>2</sub> C <sub>19</sub> H <sub>30</sub> O <sub>2</sub>	neat	0.01 g	¥101,000
DLM-7953-1.2	Progesterone (2,2,4,6,6,17α,21,21,21-D <sub>9</sub> , 98%)	C <sub>21</sub> D <sub>9</sub> H <sub>21</sub> O <sub>2</sub>	100 µg/mL in dioxane	1.2 mL	¥113,000
ULM-8219-1.2	Progesterone (unlabeled)	C <sub>21</sub> H <sub>30</sub> O <sub>2</sub>	100 µg/mL in dioxane	1.2 mL	¥38,000
DLM-9562-0.01	Taurochenodeoxycholic acid, sodium salt (2,2,4,4-D <sub>4</sub> , 98%) CP 97%	C <sub>26</sub> D <sub>4</sub> H <sub>40</sub> NNaO <sub>6</sub> S	neat	10 mg	¥147,000
DLM-9563-0.005	Taurochenodeoxycholic acid, sodium salt (2,2,3,4,4,6,6,7,8-D <sub>9</sub> , 98%)	C <sub>26</sub> D <sub>9</sub> H <sub>35</sub> NNaO <sub>6</sub> S	neat	5 mg	¥147,000
ULM-9561-0.05	Taurochenodeoxycholic acid, sodium salt (unlabeled)	C <sub>26</sub> H <sub>44</sub> NNaO <sub>6</sub> S	neat	50 mg	¥30,000
DLM-9568-0.01	Taurodeoxycholic acid, sodium salt (2,2,4,4-D <sub>4</sub> , 98%)	C <sub>26</sub> D <sub>4</sub> H <sub>40</sub> NNaO <sub>6</sub> S	neat	10 mg	¥147,000
DLM-9567-0.005	Taurodeoxycholic acid, sodium salt (2,2,4,4,11,11-D <sub>6</sub> , 98%)	C <sub>26</sub> D <sub>6</sub> H <sub>38</sub> NNaO <sub>6</sub> S	neat	5 mg	¥147,000
DLM-9570-0.01	Tauroolithocholic acid, sodium salt (2,2,4,4-D <sub>4</sub> , 98%)	C <sub>26</sub> D <sub>4</sub> H <sub>40</sub> NO <sub>5</sub> SNa	neat	10 mg	¥147,000
ULM-9569-0.05	Tauroolithocholic acid, sodium salt (unlabeled)	C <sub>26</sub> H <sub>44</sub> NO <sub>5</sub> SNa	neat	50 mg	¥15,000
CLM-159-0.01	Testosterone (3,4- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>17</sub> H <sub>28</sub> O <sub>2</sub>	neat	0.01 g	お問い合わせ
CLM-9164-C	Testosterone (2,3,4- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>16</sub> H <sub>28</sub> O <sub>2</sub>	100 µg/mL in methanol	1 mL	お問い合わせ
DLM-683-1.2	Testosterone (1,2-D <sub>2</sub> , 98%)	C <sub>19</sub> D <sub>2</sub> H <sub>26</sub> O <sub>2</sub>	100 µg/mL in MeCl	1.2 mL	¥105,000
DLM-8085-1.2	Testosterone (2,2,4,6,6-D <sub>5</sub> , 98%)	C <sub>19</sub> D <sub>5</sub> H <sub>23</sub> O <sub>2</sub>	100 µg/mL in MeCl	1.2 mL	¥113,000
DLM-8085-D-1.2			100 µg/mL in dioxane	1.2 mL	¥113,000
COLM-9061-1.2	Testosterone (3,4- <sup>13</sup> C <sub>2</sub> , 99%; 17- <sup>18</sup> O, 98%)	*C <sub>2</sub> C <sub>17</sub> H <sub>28</sub> *OO	100 µg/mL in MeCl	1.2 mL	¥113,000
ULM-8081-1.2	Testosterone (unlabeled)	C <sub>19</sub> H <sub>28</sub> O <sub>2</sub>	100 µg/mL in MeCl	1.2 mL	¥38,000
ULM-8081-D-1.2			100 µg/mL in dioxane	1.2 mL	¥38,000
CLM-6725-0.1MG	L-Thyroxine (tyrosine-ring- <sup>13</sup> C <sub>6</sub> , 99%) CP 90%	*C <sub>6</sub> C <sub>9</sub> H <sub>11</sub> I <sub>4</sub> NO <sub>4</sub>	neat	0.1 mg	¥105,000
CLM-8931-0.1MG	L-Thyroxine (ring- <sup>13</sup> C <sub>12</sub> , 99%) CP 97%	HO*C <sub>6</sub> H <sub>2</sub> (I) <sub>2</sub> O*C <sub>6</sub> H <sub>2</sub> (I) <sub>2</sub> CH <sub>2</sub> CH(NH <sub>2</sub> )CO <sub>2</sub> H	neat	0.1 mg	¥135,000
ULM-8184-0.2MG	L-Thyroxine (unlabeled)	C <sub>15</sub> H <sub>11</sub> I <sub>4</sub> NO <sub>4</sub>	neat	0.2 mg	¥45,000
DLM-9574-0.05	Ursodeoxycholic acid (2,2,4,4-D <sub>4</sub> , 98%)	C <sub>24</sub> D <sub>4</sub> H <sub>36</sub> O <sub>4</sub>	neat	50 mg	¥80,000
ULM-9573-0.05	Ursodeoxycholic acid (unlabeled)	C <sub>24</sub> H <sub>40</sub> O <sub>4</sub>	neat	50 mg	¥15,000



# Priority Pollutant, Endocrine Disruptor, and Chemical Contaminant Standards

## Prescription and Nonprescription Drug Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CNLM-3726-1.2	Acetaminophen (acetyl- <sup>13</sup> C <sub>2</sub> , 99%; <sup>15</sup> N, 98%)	*CH <sub>3</sub> *CO*NHC <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in acetonitrile	1.2 mL	¥158,000
ULM-7629-1.2	Acetaminophen (unlabeled)	CH <sub>3</sub> CONHC <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in acetonitrile	1.2 mL	¥38,000
DLM-3008-1.2	Amitriptyline-HCl (N,N-dimethyl-D <sub>6</sub> , 98%)	C <sub>20</sub> H <sub>17</sub> D <sub>6</sub> N·HCl	100 µg/mL in methanol	1.2 mL	¥59,000
ULM-8350-1.2	Amitriptyline-HCl (unlabeled)	C <sub>20</sub> H <sub>23</sub> N·HCl	100 µg/mL in methanol	1.2 mL	¥18,000
CLM-514-1.2	Caffeine (trimethyl- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>5</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥30,000
ULM-7653-1.2	Caffeine (unlabeled)	C <sub>8</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥15,000
DLM-2806-1.2	Carbamazepine (D <sub>10</sub> , 98%)	C <sub>15</sub> D <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	¥149,000
ULM-6581-1.2	Carbamazepine (unlabeled) CP 97%	C <sub>15</sub> H <sub>12</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥29,000
DLM-1287-1.2	Clonidine (4,4,5,5-imidazoline-D <sub>4</sub> , 98%)	C <sub>9</sub> H <sub>6</sub> D <sub>4</sub> N <sub>3</sub> Cl <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-8349-1.2	Clonidine (unlabeled)	C <sub>9</sub> H <sub>9</sub> N <sub>3</sub> Cl <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥18,000
C-041	Codeine (D <sub>6</sub> , 98%)	C <sub>18</sub> H <sub>15</sub> D <sub>6</sub> NO <sub>3</sub>	1.0 mg/mL in methanol	1 mL	お問い合わせ
C-006	Codeine (unlabeled)	C <sub>18</sub> H <sub>21</sub> NO <sub>3</sub>	1.0 mg/mL in methanol	1 mL	お問い合わせ
DLM-1819-1.2	DL-Cotinine (methyl-D <sub>3</sub> , 98%)	C <sub>10</sub> H <sub>9</sub> D <sub>3</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥143,000
ULM-9614-1.2	Cotinine (unlabeled)	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥29,000
ULM-9614-W-1.2			100 µg/mL in water	1.2 mL	お問い合わせ
D-902	Diazepam (D <sub>5</sub> , 98%)	C <sub>16</sub> H <sub>7</sub> D <sub>5</sub> N <sub>2</sub> O·HCl	100 µg/mL in methanol	1 mL	お問い合わせ
D-907	Diazepam (unlabeled)	C <sub>16</sub> H <sub>12</sub> N <sub>2</sub> O·HCl	1.0 mg/mL in methanol	1 mL	お問い合わせ
DLM-9974-1.2	Diclofenac sodium (D <sub>4</sub> , 98%)	C <sub>14</sub> D <sub>4</sub> H <sub>6</sub> Cl <sub>2</sub> NNaO <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9975-1.2	Diclofenac sodium (unlabeled)	C <sub>14</sub> H <sub>10</sub> Cl <sub>2</sub> NNaO <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
CNLM-411-1.2	5,5-Diphenylhydantoin (2- <sup>13</sup> C, 99%; 1,3- <sup>15</sup> N <sub>2</sub> , 98%)	*CC <sub>14</sub> H <sub>12</sub> *N <sub>2</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥98,000
ULM-8533-1.2	5,5-Diphenylhydantoin (unlabeled)	C <sub>15</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥29,000
F-919	Fluoxetine oxalate (D <sub>6</sub> , 98%)	C <sub>17</sub> H <sub>12</sub> D <sub>6</sub> F <sub>3</sub> NO·C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>	100 µg/mL in methanol	1 mL	お問い合わせ
F-918	Fluoxetine-HCl (unlabeled)	C <sub>17</sub> H <sub>18</sub> F <sub>3</sub> NO·HCl	1.0 mg/mL in methanol	1 mL	お問い合わせ
DLM-8221-1.2	Gemfibrozil (2,2-dimethyl-D <sub>6</sub> , 98%)	C <sub>15</sub> D <sub>6</sub> H <sub>16</sub> O <sub>3</sub>	100 µg/mL in <i>p</i> -dioxane	1.2 mL	¥128,000
ULM-8225-1.2	Gemfibrozil (unlabeled)	C <sub>15</sub> H <sub>22</sub> O <sub>3</sub>	100 µg/mL in <i>p</i> -dioxane	1.2 mL	¥38,000
CLM-6943-1.2	Ibuprofen (propionic- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥149,000
ULM-7275-1.2	Ibuprofen (unlabeled)	C <sub>13</sub> H <sub>18</sub> O <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
DLM-3035-1.2	Imipramine-HCl (2,4,6,8-D <sub>4</sub> , 98%)	C <sub>19</sub> H <sub>20</sub> D <sub>4</sub> N <sub>2</sub> ·HCl	100 µg/mL in methanol	1.2 mL	お問い合わせ
I-902	Imipramine (unlabeled)	C <sub>19</sub> H <sub>24</sub> N <sub>2</sub>	1.0 mg/mL in methanol	1 mL	お問い合わせ
L-902	Lorazepam (D <sub>4</sub> , 98%)	C <sub>15</sub> H <sub>6</sub> D <sub>4</sub> N <sub>2</sub> O <sub>2</sub> Cl <sub>2</sub>	100 µg/mL in acetonitrile	1 mL	お問い合わせ
L-901	Lorazepam (unlabeled)	C <sub>15</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> Cl <sub>2</sub>	1.0 mg/mL in acetonitrile	1 mL	お問い合わせ
CDLM-7665-1.2	Naproxen (methyl- <sup>13</sup> C, 99% methyl-D <sub>3</sub> , 98%)	*CC <sub>13</sub> D <sub>3</sub> H <sub>11</sub> O <sub>3</sub>	100 µg/mL in acetonitrile	1.2 mL	¥155,000
ULM-7709-1.2	Naproxen (unlabeled)	C <sub>14</sub> H <sub>14</sub> O <sub>3</sub>	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CNLM-8223-1.2	Nitrofurazone (carbonyl- <sup>13</sup> C, 99%; hydrazine- <sup>15</sup> N <sub>2</sub> , 98%) CP 97%+	*CC <sub>5</sub> H <sub>6</sub> *N <sub>2</sub> N <sub>2</sub> O <sub>4</sub>			お問い合わせ
ULM-8234	Nitrofurazone (unlabeled)	C <sub>6</sub> H <sub>6</sub> N <sub>4</sub> O <sub>4</sub>			お問い合わせ
N-922	Norfluoxetine oxalate (D <sub>6</sub> , 98%)	C <sub>16</sub> H <sub>10</sub> D <sub>6</sub> F <sub>3</sub> NO·C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>	100 µg/mL in methanol	1 mL	お問い合わせ
N-923	Norfluoxetine oxalate (unlabeled)	C <sub>16</sub> H <sub>16</sub> F <sub>3</sub> NO·C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>	1.0 mg/mL in methanol	1 mL	お問い合わせ
DLM-3039-1MG	Phenylbutazone (diphenyl-D <sub>10</sub> , 98%)	C <sub>19</sub> D <sub>10</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>	neat	1 mg	¥53,000
DLM-3039-0.05			neat	0.05 g	¥153,000
DLM-3039-0.1			neat	0.1 g	¥271,000
ULM-7378-1MG	Phenylbutazone (unlabeled)	C <sub>19</sub> H <sub>20</sub> N <sub>2</sub> O <sub>2</sub>	neat	1 mg	¥38,000
CLM-7892	Resorcinol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>			お問い合わせ
CLM-8370-1.2	Thiabendazole (ring- <sup>13</sup> C <sub>6</sub> , 99%)	C <sub>4</sub> *C <sub>6</sub> H <sub>7</sub> N <sub>3</sub> S	100 µg/mL in acetonitrile	1.2 mL	¥119,000
ULM-8371-1.2	Thiabendazole (unlabeled)	C <sub>10</sub> H <sub>7</sub> N <sub>3</sub> S	100 µg/mL in acetonitrile	1.2 mL	¥29,000
DLM-6861-MT-1.2	Warfarin (phenyl-D <sub>5</sub> , 98%)	C <sub>19</sub> H <sub>11</sub> D <sub>5</sub> O <sub>4</sub>	100 µg/mL in MTBE	1.2 mL	¥113,000
ULM-7242-MT-1.2	Warfarin (unlabeled)	C <sub>19</sub> H <sub>16</sub> O <sub>4</sub>	100 µg/mL in MTBE	1.2 mL	¥29,000

# Priority Pollutant, Endocrine Disruptor, and Chemical Contaminant Standards

## Veterinary and Human Antibiotic Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-7407-1MG	Amoxicillin·3H <sub>2</sub> O (phenyl- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>10</sub> H <sub>19</sub> N <sub>3</sub> O <sub>5</sub> S·3H <sub>2</sub> O	neat	1 mg	¥269,000
DLM-119-1.2	(+/-)-Chloramphenicol (ring-D <sub>4</sub> , benzyl-D <sub>1</sub> , 98%)	NO <sub>2</sub> (C <sub>6</sub> D <sub>4</sub> )CD(OH)CH (NHCOCHCl <sub>2</sub> )CH <sub>2</sub> OH	100 µg/mL in acetonitrile	1.2 mL	¥38,000
ULM-6687-1.2	(+/-)-Chloramphenicol (unlabeled)	NO <sub>2</sub> (C <sub>6</sub> H <sub>4</sub> )CH(OH)CH (NHCOCHCl <sub>2</sub> )CH <sub>2</sub> OH	100 µg/mL in acetonitrile	1.2 mL	¥15,000
CNLM-7539-1.2	Ciprofloxacin-HCl (2,3,carboxyl- <sup>13</sup> C <sub>3</sub> , 99%; quinoline- <sup>15</sup> N, 98%)	*C <sub>3</sub> C <sub>14</sub> H <sub>18</sub> F*NN <sub>2</sub> O <sub>3</sub> ·HCl	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-7710-1.2	Ciprofloxacin-HCl (unlabeled)	C <sub>17</sub> H <sub>18</sub> FN <sub>3</sub> O <sub>3</sub> ·HCl	100 µg/mL in methanol	1.2 mL	¥38,000
CLM-3672-MT-1.2	Erythromycin (90-95% Erythromycin A) (N,N-dimethyl- <sup>13</sup> C <sub>2</sub> , ~90%)	*C <sub>2</sub> C <sub>35</sub> H <sub>67</sub> NO <sub>13</sub>	100 µg/mL in MTBE	1.2 mL	¥158,000
ULM-4322-MT-1.2	Erythromycin (unlabeled)	C <sub>37</sub> H <sub>67</sub> NO <sub>13</sub>	100 µg/mL in MTBE	1.2 mL	¥38,000
CLM-3045-1.2	Sulfamethazine (phenyl- <sup>13</sup> C <sub>6</sub> , 90%)	H <sub>2</sub> N*C <sub>6</sub> H <sub>4</sub> SO <sub>2</sub> NH(C <sub>6</sub> N <sub>2</sub> H <sub>7</sub> )	100 µg/mL in acetonitrile	1.2 mL	¥143,000
ULM-7220-1.2	Sulfamethazine (unlabeled)	H <sub>2</sub> NC <sub>6</sub> H <sub>4</sub> SO <sub>2</sub> NH(C <sub>6</sub> N <sub>2</sub> H <sub>7</sub> )	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-6944-1.2	Sulfamethoxazole (ring- <sup>13</sup> C <sub>6</sub> , 99%)	C <sub>4</sub> *C <sub>6</sub> H <sub>11</sub> N <sub>3</sub> O <sub>2</sub> S	100 µg/mL in acetonitrile	1.2 mL	¥179,000
ULM-7527-1.2	Sulfamethoxazole (unlabeled)	C <sub>10</sub> H <sub>11</sub> N <sub>3</sub> O <sub>2</sub> S	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-7988-A-1.2	Trimethoprim ( <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>11</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub>	50 µg/mL in methanol	1.2 mL	¥128,000
ULM-7989-A-1.2	Trimethoprim (unlabeled)	C <sub>14</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub>	50 µg/mL in methanol	1.2 mL	¥29,000

## Tobacco-Specific Nitrosamines and Other Tobacco-Related Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-6651-1.2	Anabasine (2,2',3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>14</sub> N <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥239,000
ULM-7281-1.2	Anabasine (unlabeled)	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	0.1 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-6652-1.2	Anatabine (2,2',3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>12</sub> N <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥239,000
ULM-7282-1.2	Anatabine (unlabeled)	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub>	0.1 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-9692-1.2	DL-Cotinine (2',3',4'- <sup>13</sup> C <sub>3</sub> , 99%) CP 97%	*C <sub>3</sub> C <sub>7</sub> H <sub>12</sub> N <sub>2</sub> O	100 µg/mL in water	1.2 mL	お問い合わせ
DLM-1819-1.2	DL-Cotinine (methyl-D <sub>3</sub> , 98%)	C <sub>10</sub> D <sub>3</sub> H <sub>9</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥143,000
ULM-9614-1.2	Cotinine (unlabeled)	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥29,000
ULM-9614-W-1.2			100 µg/mL in water	1.2 mL	お問い合わせ
CLM-6023-1.2	4-Methylumbelliferone (2,3,4, methyl- <sup>13</sup> C <sub>4</sub> , 99%)	*C <sub>4</sub> C <sub>6</sub> H <sub>8</sub> O <sub>3</sub>	100 µg/mL in acetonitrile	1.2 mL	¥105,000
ULM-7309-1.2	4-Methylumbelliferone (unlabeled)	C <sub>10</sub> H <sub>8</sub> O <sub>3</sub>	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-6705-1.2	NAB (N'-Nitrosoanabasine) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>13</sub> N <sub>3</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥239,000
ULM-7168-1.2	NAB (N'-Nitrosoanabasine) (unlabeled)	C <sub>10</sub> H <sub>13</sub> N <sub>3</sub> O	0.5 mg/mL in acetonitrile	1.2 mL	¥38,000
ULM-7168-4X-1.2			2 mg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-6704-1.2	NAT (N'-Nitrosoanatabine) ( <sup>13</sup> C <sub>6</sub> , 99%) CP 95%	*C <sub>6</sub> C <sub>4</sub> H <sub>11</sub> N <sub>3</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥239,000
ULM-7207-1.2	NAT (N'-Nitrosoanatabine) (unlabeled)	C <sub>10</sub> H <sub>11</sub> N <sub>3</sub> O	2 mg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-3914-1.2	DL-Nicotine (3',4',5'- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>7</sub> H <sub>14</sub> N <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥209,000
ULM-9547-1.2	Nicotine (unlabeled)	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
CLM-4556-1.2	NNAL (4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol) (1,2',3',4',5',6'- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥239,000
ULM-9434-1.2	NNAL (4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol)	C <sub>10</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥38,000
ULM-9434-20X-1.2	(unlabeled)		2 mg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-4555-1.2	NNK (Nicotine-derived nitrosamine ketone) (1,2',3',4',5',6'- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>13</sub> N <sub>3</sub> O <sub>2</sub>	100 µg/mL in nonane/ethanol (9:1)	1.2 mL	¥239,000
ULM-8987-1.2	NNK (Nicotine-derived nitrosamine ketone) (unlabeled)	C <sub>10</sub> H <sub>13</sub> N <sub>3</sub> O <sub>2</sub>	100 µg/mL in nonane/ethanol (9:1)	1.2 mL	¥38,000
ULM-8987-20X-1.2			2 mg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-4557-1.2	NNN (N-Nitrosornicotine) (2,2',3,4,5,6- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>3</sub> H <sub>11</sub> N <sub>3</sub> O	100 µg/mL in nonane/ethanol (9:1)	1.2 mL	¥239,000
DLM-7474-1.2	NNN (N-Nitrosornicotine) (2,4,5,6-D <sub>4</sub> , 98%)	C <sub>9</sub> D <sub>4</sub> H <sub>7</sub> N <sub>3</sub> O	0.1 mg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-9406-1.2	NNN (N-Nitrosornicotine) (unlabeled)	C <sub>9</sub> H <sub>11</sub> N <sub>3</sub> O	0.1 mg/mL in acetonitrile	1.2 mL	¥38,000
ULM-9406-20X-1.2			2 mg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-4896-1.2	DL-Norcotinine (3',4',5'- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>6</sub> H <sub>10</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥209,000
ULM-9615-1.2	Norcotinine (unlabeled)	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥29,000
CLM-4892-1.2	DL-Nornicotine (3',4',5'- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>6</sub> H <sub>12</sub> N <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-2154-1.2	Nornicotine (unlabeled)	C <sub>9</sub> H <sub>12</sub> N <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ

Food and Drinking Water Impurity Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-813-1.2	Acrylamide (+100 ppm hydroquinone) (1,2,3- <sup>13</sup> C <sub>3</sub> , 99%)	H <sub>2</sub> *C=*CH*CONH <sub>2</sub>	1 mg/mL in methanol	1.2 mL	¥56,000
ULM-6721-1.2	Acrylamide (+100 ppm hydroquinone) (unlabeled)	H <sub>2</sub> C=CHCONH <sub>2</sub>	1 mg/mL in methanol	1.2 mL	¥15,000
DLM-7170-1.2	1-Aminohydantoin hydrochloride (AHD) (5,5-D <sub>2</sub> , 98%)	C <sub>3</sub> H <sub>3</sub> D <sub>2</sub> N <sub>3</sub> O <sub>2</sub> Cl	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	¥179,000
ULM-7188-1.2	1-Aminohydantoin hydrochloride (AHD) (unlabeled)	C <sub>3</sub> H <sub>5</sub> N <sub>3</sub> O <sub>2</sub> ·HCl	100 µg/mL in methanol	1.2 mL	¥59,000
DLM-7171-1.2	3-Amino-2-oxazolidone (AOZ) (ring-D <sub>4</sub> , 98%)	C <sub>3</sub> H <sub>2</sub> D <sub>4</sub> N <sub>2</sub> O <sub>2</sub>	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	¥209,000
ULM-7189-1.2	3-Amino-2-oxazolidone (AOZ) (unlabeled)	C <sub>3</sub> H <sub>4</sub> N <sub>2</sub> O <sub>2</sub> ·HCl	100 µg/mL in methanol	1.2 mL	¥59,000
DLM-7172-1.2	5-(4-Morpholinylmethyl)-3-amino-2-oxazolidinone (AMOZ) (4,4,5,5',5'-D <sub>5</sub> , 98%)	C <sub>8</sub> H <sub>10</sub> D <sub>5</sub> N <sub>3</sub> O <sub>3</sub>	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	¥179,000
ULM-7190-1.2	5-(4-Morpholinylmethyl)-3-amino-2-oxazolidinone (AMOZ) (unlabeled)	C <sub>8</sub> H <sub>15</sub> N <sub>3</sub> O <sub>3</sub>	100 µg/mL in methanol	1.2 mL	¥59,000
CLM-8589-1.2	Ammelide (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> H <sub>4</sub> N <sub>4</sub> O <sub>2</sub>	100 µg/mL in water/ diethylamine (80/20 v/v)	1.2 mL	¥143,000
ULM-8590-1.2	Ammelide (unlabeled)	C <sub>3</sub> H <sub>4</sub> N <sub>4</sub> O <sub>2</sub>	100 µg/mL in water/ diethylamine (80/20 v/v)	1.2 mL	¥38,000
CLM-8316-1.2	Ammeline (desethyl-desisopropylhydroxyatrazine) (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> H <sub>5</sub> N <sub>5</sub> O	100 µg/mL in water/ diethylamine (80/20 v/v)	1.2 mL	¥135,000
ULM-8323-1.2	Ammeline (desethyl-desisopropylhydroxyatrazine) (unlabeled)	C <sub>3</sub> H <sub>5</sub> N <sub>5</sub> O	100 µg/mL in water/ diethylamine (80/20 v/v)	1.2 mL	¥38,000
CLM-4748-1.2	1,6-Anhydro-β-D-glucose (levoglucosan) ( <sup>13</sup> C <sub>6</sub> , 98%)	*C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>	100 µg/mL in DMSO	1.2 mL	¥105,000
ULM-8000-1.2	1,6-Anhydro-β-D-glucose (levoglucosan) (unlabeled)	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>	100 µg/mL in DMSO	1.2 mL	¥38,000
DLM-119-1.2	(+/-)-Chloramphenicol (ring-D <sub>4</sub> , benzyl-D <sub>1</sub> , 98%)	NO <sub>2</sub> C <sub>6</sub> D <sub>4</sub> C <sub>5</sub> DH <sub>5</sub> O <sub>3</sub> NCl <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥38,000
ULM-6687-1.2	(+/-)-Chloramphenicol (unlabeled)	NO <sub>2</sub> C <sub>6</sub> H <sub>4</sub> C <sub>5</sub> H <sub>6</sub> O <sub>3</sub> NCl <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥15,000
DLM-4633-1.2	3-Chloro-1,2-propanediol (~10% 2-chloro-1,3-propanediol)(propane-D <sub>5</sub> , 98%)	ClCD <sub>2</sub> CD <sub>2</sub> OH	1 mg/mL in methanol	1.2 mL	¥53,000
ULM-7998-1.2	3-Chloro-1,2-propanediol (unlabeled)	ClCH <sub>2</sub> CHOHCH <sub>2</sub> OH	1 mg/mL in methanol	1.2 mL	¥23,000
CNLM-4661-1.2	Cyanuric acid ( <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N <sub>3</sub> , 98%+) CP 90%+	*C <sub>3</sub> H <sub>3</sub> *N <sub>3</sub> O <sub>3</sub>	100 µg/mL in water	1.2 mL	¥113,000
CNLM-4661-10X-1.2			1000 µg/mL in water	1.2 mL	¥405,000
ULM-8157-1.2	Cyanuric acid (unlabeled)	C <sub>3</sub> H <sub>3</sub> N <sub>3</sub> O <sub>3</sub>	100 µg/mL in water	1.2 mL	¥29,000
DLM-2943-1.2	2,6-Di( <i>tert</i> -butyl)-4-methyl phenol (BHT) (D <sub>21</sub> , 98%)	C <sub>15</sub> H <sub>22</sub> O	100 µg/mL in nonane	1.2 mL	¥105,000
ULM-7494-1.2	2,6-Di( <i>tert</i> -butyl)-4-methyl phenol (BHT) (unlabeled)	C <sub>15</sub> H <sub>24</sub> O	100 µg/mL in nonane	1.2 mL	¥15,000
DLM-1632-1.2	Diethylene glycol (D <sub>8</sub> , 98%)	C <sub>4</sub> D <sub>8</sub> H <sub>2</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥71,000
ULM-8235-1.2	Diethylene glycol (unlabeled)	C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
CNLM-8150-1.2	Melamine ( <sup>13</sup> C <sub>3</sub> , 99%; amino- <sup>15</sup> N <sub>3</sub> , 98%)	*C <sub>3</sub> H <sub>6</sub> *N <sub>3</sub> N <sub>3</sub>	100 µg/mL in water	1.2 mL	¥105,000
CNLM-8150-10X-1.2			1000 µg/mL in water	1.2 mL	¥375,000
ULM-8156-1.2	Melamine (unlabeled)	C <sub>3</sub> H <sub>6</sub> N <sub>3</sub> N <sub>3</sub>	100 µg/mL in water	1.2 mL	¥29,000
DLM-4412-25	(-)-Menthol (1,2,6,6-D <sub>4</sub> , 98%)	C <sub>10</sub> H <sub>16</sub> D <sub>4</sub> O	neat	25 mg	¥149,000
DLM-4766-1.2	2-Methylisoborneol (2-methyl-D <sub>3</sub> , 98%)	C <sub>11</sub> H <sub>17</sub> D <sub>3</sub> O	100 µg/mL in nonane	1.2 mL	お問い合わせ
CDLM-7279-S	N-Nitrosodimethylamine ( <sup>13</sup> C <sub>2</sub> , 99%; D <sub>6</sub> , 98%)	*C <sub>2</sub> D <sub>6</sub> N <sub>2</sub> O	1 mg/mL in MeCl-D <sub>2</sub>	1 mL	¥78,000
OLM-7310-1.2	Perchloric acid, sodium salt ( <sup>18</sup> O <sub>4</sub> , 90%+)	NaCl*O <sub>4</sub>	100 µg/mL in water	1.2 mL	¥105,000
ULM-7312-1.2	Perchloric acid, sodium salt (unlabeled)	NaClO <sub>4</sub>	100 µg/mL in water	1.2 mL	¥38,000
CLM-3733-1.2	<i>o</i> -Phenylphenol (phenyl- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>5</sub> C <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in nonane	1.2 mL	¥135,000
ULM-7396-1.2	<i>o</i> -Phenylphenol (unlabeled)	C <sub>6</sub> H <sub>5</sub> C <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-3748-1.2	<i>p</i> -Phenylphenol (phenyl- <sup>13</sup> C <sub>6</sub> , 99%) CP 96%	*C <sub>6</sub> H <sub>5</sub> C <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in nonane	1.2 mL	お問い合わせ
OLM-8283-180-1.2	Potassium bromate ( <sup>18</sup> O <sub>3</sub> , 98%) CP 90-95%	KBr*O <sub>3</sub>	100 µg/mL in <sup>18</sup> O water	1.2 mL	¥119,000
ULM-8451-1.2	Potassium bromate (unlabeled)	KBrO <sub>3</sub>	100 µg/mL in water	1.2 mL	¥29,000
CNLM-7221-1.2	Semicarbazide hydrochloride (SEM) ( <sup>13</sup> C, 99%; <sup>15</sup> N <sub>2</sub> , 98%)	*CH <sub>5</sub> *N <sub>2</sub> NO·HCl	100 µg/mL in methanol	1.2 mL	¥209,000
ULM-7187-1.2	Semicarbazide hydrochloride (SEM) (unlabeled)	CH <sub>5</sub> N <sub>3</sub> O·HCl	100 µg/mL in methanol	1.2 mL	¥59,000
DLM-6083-1.2	2,4,6-Trichloroisole (D <sub>5</sub> , 98%)	C <sub>6</sub> D <sub>2</sub> Cl <sub>3</sub> OCD <sub>3</sub>	1 mg/mL in methanol-D	1.2 mL	¥56,000
ULM-7999-1.2	2,4,6-Trichloroisole (unlabeled)	C <sub>6</sub> H <sub>2</sub> Cl <sub>3</sub> OCH <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
DLM-2080-1.2	1,2,3-Trichloropropane (D <sub>5</sub> , 98%) CP 95%	CD <sub>2</sub> ClC <sub>2</sub> Cl	1 mg/mL in methanol	1.2 mL	¥53,000
ULM-6911-1.2	1,2,3-Trichloropropane (unlabeled)	CH <sub>2</sub> ClCHClCH <sub>2</sub> Cl	1 mg/mL in methanol	1.2 mL	¥38,000
DLM-4444-0.1	Urethane (ethyl carbamate) (ethyl-D <sub>5</sub> , 98%)	C <sub>3</sub> H <sub>2</sub> D <sub>5</sub> NO <sub>2</sub>	neat	0.1 g	¥57,000

# Priority Pollutant, Endocrine Disruptor, and Chemical Contaminant Standards

## Phthalate and Phthalate Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
DLM-1369-1.2 DLM-1369-0.1	Benzyl butyl phthalate (ring-D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ][CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub> ]	100 µg/mL in nonane neat	1.2 mL 0.1 g	¥87,000 ¥71,000
ULM-7551-1.2	Benzyl butyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ][CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub> ]	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4675-1.2	Bis(2-ethylhexyl) adipate (adipate- <sup>13</sup> C <sub>6</sub> , 99%)	(*CH <sub>2</sub> ) <sub>4</sub> [*CO <sub>2</sub> [CH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )C <sub>4</sub> H <sub>9</sub> ]] <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥105,000
ULM-6566-1.2	Bis(2-ethylhexyl) adipate (unlabeled)	(CH <sub>2</sub> ) <sub>4</sub> [CO <sub>2</sub> [CH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )C <sub>4</sub> H <sub>9</sub> ]] <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥53,000
CLM-6238	Bis(2-ethylhexyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	C <sub>20</sub> *C <sub>4</sub> H <sub>38</sub> O <sub>4</sub>			お問い合わせ
DLM-1368-1.2 DLM-1368-0.1 DLM-1368-0.25	Bis(2-ethylhexyl) phthalate (ring-D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>4</sub> [CO <sub>2</sub> CH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )C <sub>4</sub> H <sub>9</sub> ]] <sub>2</sub>	100 µg/mL in nonane neat neat	1.2 mL 0.1 g 0.25 g	¥96,000 ¥78,000 ¥188,000
ULM-6241-1.2	Bis(2-ethylhexyl) phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )C <sub>4</sub> H <sub>9</sub> ]] <sub>2</sub>	1000 µg/mL in nonane	1.2 mL	¥29,000
CLM-4670-1.2	Dicyclohexyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> (*CO <sub>2</sub> C <sub>6</sub> H <sub>11</sub> ) <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥89,000
ULM-8785-1.2	Dicyclohexyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> (CO <sub>2</sub> C <sub>6</sub> H <sub>11</sub> ) <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-1629-1.2 DLM-1629-0.1 DLM-1629-0.25	Diethyl phthalate (ring-D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>4</sub> (CO <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in nonane neat neat	1.2 mL 0.1 g 0.25 g	¥87,000 ¥83,000 ¥149,000
ULM-6174-1.2	Diethyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> (CO <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-9767	Diisononyl phthalate (unlabeled)	C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>			お問い合わせ
DLM-1366-1.2 DLM-1366-0.1	Dimethyl phthalate (ring-D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>4</sub> (CO <sub>2</sub> CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in nonane neat	1.2 mL 0.1 g	¥87,000 ¥69,000
ULM-6783-1.2	Dimethyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> (CO <sub>2</sub> CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-1367-1.2 DLM-1367-0.1 DLM-1367-0.25	Di- <i>n</i> -butyl phthalate (ring-D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ]] <sub>2</sub>	100 µg/mL in nonane neat neat	1.2 mL 0.1 g 0.25 g	¥96,000 ¥105,000 ¥179,000
ULM-7466-1.2	Di- <i>n</i> -butyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ]] <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4669-1.2	Di- <i>n</i> -hexyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> *CO <sub>2</sub> (CH <sub>2</sub> ) <sub>5</sub> CH <sub>3</sub> ]] <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥89,000
ULM-7434-1.2	Di- <i>n</i> -hexyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>5</sub> CH <sub>3</sub> ]] <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-1630-1.2 DLM-1630-0.1	Di- <i>n</i> -octyl phthalate (ring-D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>7</sub> CH <sub>3</sub> ]] <sub>2</sub>	100 µg/mL in nonane neat	1.2 mL 0.1 g	¥87,000 ¥72,000
ULM-6129-1.2	Di- <i>n</i> -octyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>7</sub> CH <sub>3</sub> ]] <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4668-1.2	Di- <i>n</i> -pentyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> *CO <sub>2</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>3</sub> ]] <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥89,000
ULM-7433-1.2	Di- <i>n</i> -pentyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>3</sub> ]] <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4671-1.2	Di- <i>n</i> -propyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> -1,2-[*CO <sub>2</sub> (CH <sub>2</sub> ) <sub>2</sub> CH <sub>3</sub> ]] <sub>2</sub>			お問い合わせ
CLM-4591-MT-1.2	Monobenzyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub> ][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥128,000
ULM-6149-MT-1.2	Monobenzyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥75,000
CLM-4590-MT-1.2	Mono- <i>n</i> -butyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥128,000
ULM-6148-MT-1.2	Mono- <i>n</i> -butyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥75,000
CLM-8232-MT-1.2	Mono-[2-(carboxymethyl) hexyl] phthalate (DEHP Metabolite IV) ( <sup>13</sup> C <sub>4</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> *CO <sub>2</sub> CH <sub>2</sub> (CH <sub>2</sub> ) <sub>5</sub> CH <sub>3</sub> CO <sub>2</sub> [*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥179,000
ULM-8233-MT-1.2	Mono-[2-(carboxymethyl) hexyl] phthalate (DEHP Metabolite IV) (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH <sub>2</sub> (CH <sub>2</sub> ) <sub>5</sub> CH <sub>3</sub> CO <sub>2</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥105,000
CLM-6847-MT-1.2	Mono-(3-carboxypropyl) phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CO <sub>2</sub> H][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥179,000
ULM-6848-MT-1.2	Mono-(3-carboxypropyl) phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CO <sub>2</sub> H][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥123,000
CLM-4592-MT-1.2	Monocyclohexyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> C <sub>6</sub> H <sub>11</sub> ][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥128,000
ULM-7394-MT-1.2	Monocyclohexyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> C <sub>6</sub> H <sub>11</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥75,000



Phthalate and Phthalate Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-4584-MT-1.2	Mono-2-ethylhexyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> CH <sub>2</sub> CH(CH <sub>2</sub> CH <sub>3</sub> )(CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥128,000
ULM-4583-MT-1.2	Mono-2-ethylhexyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH <sub>2</sub> CH(CH <sub>2</sub> CH <sub>3</sub> )(CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥68,000
CLM-8148-MT-1.2	Mono-(2-ethyl-5-carboxypentyl) phthalate (DEHP Metabolite V) ( <sup>13</sup> C <sub>4</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> CH <sub>2</sub> (CH <sub>2</sub> CH <sub>3</sub> )(CH <sub>2</sub> ) <sub>3</sub> ][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥173,000
ULM-8149-MT-1.2	Mono-(2-ethyl-5-carboxypentyl) phthalate (DEHP Metabolite V) (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH <sub>2</sub> (CH <sub>2</sub> CH <sub>3</sub> )(CH <sub>2</sub> ) <sub>3</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥123,000
CLM-6641-MT-1.2	Mono-(2-ethyl-5-hydroxyhexyl)phthalate (DEHP Metabolite IX) ( <sup>13</sup> C <sub>4</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> CH <sub>2</sub> CH(CH <sub>2</sub> CH <sub>3</sub> )CH <sub>2</sub> CH <sub>2</sub> CH(OH)CH <sub>3</sub> ][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥179,000
ULM-4662-MT-1.2	Mono-(2-ethyl-5-hydroxyhexyl)phthalate (DEHP Metabolite IX) (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH <sub>2</sub> CH(CH <sub>2</sub> CH <sub>3</sub> )CH <sub>2</sub> CH <sub>2</sub> CH(OH)CH <sub>3</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥123,000
CLM-6640-MT-1.2	Mono-(2-ethyl-5-oxohexyl)phthalate (DEHP Metabolite VI) ( <sup>13</sup> C <sub>4</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> CH <sub>2</sub> CH(CH <sub>2</sub> CH <sub>3</sub> )CH <sub>2</sub> CH <sub>2</sub> COCH <sub>3</sub> ][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥179,000
ULM-4663-MT-1.2	Mono-(2-ethyl-5-oxohexyl)phthalate (DEHP Metabolite VI) (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH <sub>2</sub> CH(CH <sub>2</sub> CH <sub>3</sub> )CH <sub>2</sub> CH <sub>2</sub> COCH <sub>3</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥123,000
CLM-4586-MT-1.2	Monoethyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> ][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥128,000
ULM-4585-MT-1.2	Monoethyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥68,000
ULM-4820	Mono-3-hydroxybutyl phthalate (unlabeled)	C <sub>12</sub> H <sub>14</sub> O <sub>5</sub>			お問い合わせ
ULM-7919-MT-1.2	Monoisobutyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥75,000
CLM-4588-MT-1.2	Monoisodecyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	C <sub>14</sub> *C <sub>4</sub> H <sub>26</sub> O <sub>4</sub>			お問い合わせ
ULM-4652-MT-1.2	Monoisodecyl phthalate (mono-3,7-dimethyloctyl phthalate) (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>2</sub> CH(CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CH(CH <sub>3</sub> ) <sub>2</sub> )[CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥75,000
CLM-4587-MT-1.2	Monoisononyl phthalate (mono-3,5,5-trimethylhexyl phthalate) (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> (CH <sub>2</sub> ) <sub>6</sub> CH(CH <sub>3</sub> ) <sub>2</sub> ][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥128,000
ULM-4651-MT-1.2	Monoisononyl phthalate (mono-3,5,5-trimethylhexyl phthalate) (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>6</sub> CH(CH <sub>3</sub> ) <sub>2</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥75,000
ULM-7395-MT-1.2	Monoisopropyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	お問い合わせ
ULM-4594	Mono-2-methoxyethyl phthalate (unlabeled)	C <sub>11</sub> H <sub>12</sub> O <sub>5</sub>			お問い合わせ
CLM-6071-MT-1.2	Monomethyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> CH <sub>3</sub> ][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥128,000
ULM-6697-MT-1.2	Monomethyl phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH <sub>3</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥75,000
CLM-6225	Monomethyl isophthalate (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>3</sub> H <sub>8</sub> O <sub>4</sub>			お問い合わせ
ULM-6226	Monomethyl isophthalate (unlabeled)	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>			お問い合わせ
CLM-4589-MT-1.2	Mono- <i>n</i> -octyl phthalate (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [*CO <sub>2</sub> (CH <sub>2</sub> ) <sub>7</sub> CH <sub>3</sub> ][*CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥128,000
ULM-4593-MT-1.2	Mono- <i>n</i> -octyl phthalate (unlabeled)	C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>7</sub> CH <sub>3</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥68,000
ULM-7393-MT-1.2	Mono- <i>n</i> -pentyl phthalate (unlabeled)	C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>3</sub> ][CO <sub>2</sub> H]	100 µg/mL in MTBE	1.2 mL	¥75,000
CLM-4323-MT-1.2	Phthalic acid (ring-1,2- <sup>13</sup> C <sub>2</sub> , dicarboxyl- <sup>13</sup> C <sub>2</sub> , 99%)	*C <sub>2</sub> C <sub>4</sub> H <sub>4</sub> *(COOH) <sub>2</sub>	100 µg/mL in MTBE	1.2 mL	お問い合わせ
ULM-8301-MT-1.2	Phthalic acid (unlabeled)	C <sub>6</sub> H <sub>4</sub> (COOH) <sub>2</sub>	100 µg/mL in MTBE	1.2 mL	¥23,000

# Priority Pollutant, Endocrine Disruptor, and Chemical Contaminant Standards

## Bisphenol Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-4325-1.2	Bisphenol A (ring- <sup>13</sup> C <sub>12</sub> , 99%)	(*C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥105,000
ULM-7106-1.2	Bisphenol A (unlabeled)	(C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
ULM-8654-1.2	2,4'-Bisphenol A (unlabeled)	(C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥83,000
DLM-9193-1.2	Bisphenol A diglycidyl ether (BADGE) (diglycidyl-D <sub>10</sub> , 98%)	C <sub>21</sub> H <sub>14</sub> D <sub>10</sub> O <sub>4</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-9857-1.2	Bisphenol A diglycidyl ether (BADGE) (unlabeled)	C <sub>21</sub> H <sub>14</sub> H <sub>10</sub> O <sub>4</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-9831-1.2	Bisphenol A β-D-glucuronide (unlabeled) CP 90%	C <sub>21</sub> H <sub>24</sub> O <sub>8</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9832-1.2	Bisphenol A bis-(β-D-glucuronide) disodium salt (unlabeled) CP 90%	C <sub>27</sub> H <sub>30</sub> Na <sub>2</sub> O <sub>14</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9833-1.2	Bisphenol A bissulfate disodium salt (unlabeled) CP 90%	C <sub>15</sub> H <sub>14</sub> Na <sub>2</sub> O <sub>8</sub> S <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-9776-1.2	Bisphenol AF (ring- <sup>13</sup> C <sub>12</sub> , 99%)	(*C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub> C(CF <sub>3</sub> ) <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥119,000
ULM-9779-1.2	Bisphenol AF (unlabeled)	(C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub> C(CF <sub>3</sub> ) <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥38,000
ULM-9830-1.2	Bisphenol AP (unlabeled)	CH <sub>3</sub> C(C <sub>6</sub> H <sub>5</sub> )(C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-9851-1.2	Bisphenol B (ring- <sup>13</sup> C <sub>12</sub> , 99%)	C <sub>4</sub> *C <sub>12</sub> H <sub>18</sub> O <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-9852-1.2	Bisphenol B (unlabeled)	C <sub>16</sub> H <sub>18</sub> O <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-9826-1.2	Bisphenol E (unlabeled)	CH <sub>3</sub> CH(C <sub>6</sub> H <sub>4</sub> O) <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-9866-1.2	Bisphenol F (ring- <sup>13</sup> C <sub>12</sub> , 99%)	CH <sub>2</sub> (*C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-9827-1.2	Bisphenol F (unlabeled)	(C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub> CH <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-9867-1.2	Bisphenol F diglycidyl ether (BFDGE) (ring- <sup>13</sup> C <sub>12</sub> , 99%)	C <sub>7</sub> *C <sub>12</sub> H <sub>20</sub> O <sub>4</sub>			お問い合わせ
ULM-9868-1.2	Bisphenol F diglycidyl ether (BFDGE) (unlabeled)	C <sub>19</sub> H <sub>20</sub> O <sub>4</sub>			お問い合わせ
ULM-9829-1.2	Bisphenol P (unlabeled)	C <sub>6</sub> H <sub>4</sub> [C(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> OH] <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-9319-1.2	Bisphenol S ( <sup>13</sup> C <sub>12</sub> , 98%)	*C <sub>12</sub> H <sub>10</sub> O <sub>4</sub> S	100 µg/mL in methanol	1.2 mL	¥119,000
ULM-9320-1.2	Bisphenol S (unlabeled)	C <sub>12</sub> H <sub>10</sub> O <sub>4</sub> S	100 µg/mL in methanol	1.2 mL	¥38,000
ULM-9828-1.2	Bisphenol Z (unlabeled)	C <sub>6</sub> H <sub>10</sub> (C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ

## Perfluorinated Compound Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-8505-1.2	Perfluorooctanesulfonate (PFOS), sodium salt ( <sup>13</sup> C <sub>8</sub> , 99%)	*C <sub>8</sub> F <sub>17</sub> NaO <sub>3</sub> S	50 µg/mL in methanol	1.2 mL	¥143,000
ULM-9001-1.2	Perfluorooctanesulfonate (PFOS), sodium salt (unlabeled)	C <sub>8</sub> F <sub>17</sub> NaO <sub>3</sub> S	50 µg/mL in methanol	1.2 mL	¥29,000
ULM-8097-1.2	Perfluorobutyric acid (PFBA) (unlabeled)	CF <sub>3</sub> CF <sub>2</sub> CF <sub>2</sub> COOH	50 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9515-1.2	Perfluoropentanoic acid (PFPA) (unlabeled)	CF <sub>3</sub> (CF <sub>2</sub> ) <sub>3</sub> COOH	50 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-8340-1.2	Perfluorohexanoic acid (PFHxA), sodium salt ( <sup>13</sup> C <sub>6</sub> , 99%)	*CF <sub>3</sub> (*CF <sub>2</sub> ) <sub>4</sub> *CO <sub>2</sub> Na	50 µg/mL in methanol	1.2 mL	¥149,000
ULM-8342-1.2	Perfluorohexanoic acid (PFHxA), sodium salt (unlabeled)	CF <sub>3</sub> (CF <sub>2</sub> ) <sub>4</sub> CO <sub>2</sub> Na	50 µg/mL in methanol	1.2 mL	¥29,000
ULM-9516-1.2	Perfluoroheptanoic acid (PFHpA) (unlabeled)	CF <sub>3</sub> (CF <sub>2</sub> ) <sub>5</sub> CO <sub>2</sub> H	50 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-8005-1.2	Perfluorooctanoic acid (PFOA) ( <sup>13</sup> C <sub>8</sub> , 99%)	*CF <sub>3</sub> (*CF <sub>2</sub> ) <sub>6</sub> *CO <sub>2</sub> H	50 µg/mL in methanol	1.2 mL	¥149,000
ULM-7451-1.2	Perfluorooctanoic acid (PFOA) (unlabeled)	CF <sub>3</sub> (CF <sub>2</sub> ) <sub>6</sub> CO <sub>2</sub> H	50 µg/mL in methanol	1.2 mL	¥29,000
CLM-8060-1.2	Perfluorononanoic acid (PFNA) ( <sup>13</sup> C <sub>9</sub> , 99%)	*CF <sub>3</sub> (*CF <sub>2</sub> ) <sub>7</sub> *CO <sub>2</sub> H	50 µg/mL in methanol	1.2 mL	¥149,000
ULM-8066-1.2	Perfluorononanoic acid (PFNA) (unlabeled)	CF <sub>3</sub> (CF <sub>2</sub> ) <sub>7</sub> CO <sub>2</sub> H	50 µg/mL in methanol	1.2 mL	¥29,000
CLM-8172-1.2	Perfluorodecanoic acid (PFDA) ( <sup>13</sup> C <sub>9</sub> , 99%)	CF <sub>3</sub> (*CF <sub>2</sub> ) <sub>8</sub> *CO <sub>2</sub> H	50 µg/mL in methanol	1.2 mL	¥173,000
ULM-8067-1.2	Perfluorodecanoic acid (PFDA) (unlabeled)	CF <sub>3</sub> (CF <sub>2</sub> ) <sub>8</sub> CO <sub>2</sub> H	50 µg/mL in methanol	1.2 mL	¥29,000
CLM-8789-1.2	Perfluoroundecanoic acid (PFUA), sodium salt ( <sup>13</sup> C <sub>9</sub> , 99%)	CF <sub>3</sub> (*CF <sub>2</sub> ) <sub>9</sub> CO <sub>2</sub> Na	50 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-8084-1.2	Perfluoroundecanoic acid (PFUA), sodium salt (unlabeled)	CF <sub>3</sub> (CF <sub>2</sub> ) <sub>9</sub> CO <sub>2</sub> Na	50 µg/mL in methanol	1.2 mL	¥29,000
ULM-8068-1.2	Perfluorododecanoic acid (PFDoA) (unlabeled)	CF <sub>3</sub> (CF <sub>2</sub> ) <sub>10</sub> CO <sub>2</sub> H	50 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9955-1.2	Perfluorotridecanoic acid (PFTTrDA) (unlabeled)	CF <sub>3</sub> (CF <sub>2</sub> ) <sub>11</sub> CO <sub>2</sub> H			お問い合わせ
ULM-9956-1.2	Perfluorotetradecanoic acid (PFTTeDA) (unlabeled)	CF <sub>3</sub> (CF <sub>2</sub> ) <sub>12</sub> CO <sub>2</sub> H			お問い合わせ

## Nonylphenol, Nonylphenol Ethoxylate, and Nonylphenol Carboxylate Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-8356-1.2	4-(1,3-Dimethyl-1-ethylpentyl) phenol (ring- <sup>13</sup> C <sub>6</sub> , 99%)	(CH <sub>3</sub> CH <sub>2</sub> CH)(CH <sub>3</sub> )CH <sub>2</sub> (CH <sub>3</sub> ) (CH <sub>2</sub> CH <sub>3</sub> )C * C <sub>6</sub> H <sub>4</sub> OH			¥149,000
ULM-8360-1.2	4-(1,3-Dimethyl-1-ethylpentyl) phenol (unlabeled)	(CH <sub>3</sub> CH <sub>2</sub> CH)(CH <sub>3</sub> )CH <sub>2</sub> (CH <sub>3</sub> ) (CH <sub>2</sub> CH <sub>3</sub> )CC <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in methanol	1.2 mL	¥53,000
CLM-8357-1.2	4-(1,4-Dimethyl-1-ethylpentyl) phenol (ring- <sup>13</sup> C <sub>6</sub> , 99%)	(CH <sub>3</sub> ) <sub>2</sub> C(CH <sub>2</sub> ) <sub>2</sub> (CH <sub>3</sub> )(CH <sub>2</sub> CH <sub>3</sub> ) C * C <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-8361-1.2	4-(1,4-Dimethyl-1-ethylpentyl) phenol (unlabeled)	(CH <sub>3</sub> ) <sub>2</sub> C(CH <sub>2</sub> ) <sub>2</sub> (CH <sub>3</sub> )(CH <sub>2</sub> CH <sub>3</sub> ) CC <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in methanol	1.2 mL	¥53,000
CLM-8359-1.2	4-(1-Ethyl-1-methylhexyl) phenol (ring- <sup>13</sup> C <sub>6</sub> , 99%)	[(CH <sub>3</sub> )(CH <sub>2</sub> ) <sub>4</sub> ](CH <sub>3</sub> )(CH <sub>2</sub> CH <sub>3</sub> ) C * C <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-8363-1.2	4-(1-Ethyl-1-methylhexyl) phenol (unlabeled)	[(CH <sub>3</sub> )(CH <sub>2</sub> ) <sub>4</sub> ](CH <sub>3</sub> )(CH <sub>2</sub> CH <sub>3</sub> ) CC <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in methanol	1.2 mL	¥53,000
CLM-8358-1.2	4-(1,1,5-Trimethylhexyl) phenol (ring- <sup>13</sup> C <sub>6</sub> , 99%)	(CH <sub>3</sub> ) <sub>2</sub> C(CH <sub>2</sub> ) <sub>3</sub> (CH <sub>3</sub> ) (CH <sub>2</sub> CH <sub>3</sub> )C * C <sub>6</sub> H <sub>4</sub> OH			¥149,000
ULM-8362-1.2	4-(1,1,5-Trimethylhexyl) phenol (unlabeled)	(CH <sub>3</sub> ) <sub>2</sub> C(CH <sub>2</sub> ) <sub>3</sub> (CH <sub>3</sub> ) (CH <sub>2</sub> CH <sub>3</sub> )CC <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in methanol	1.2 mL	¥53,000
CLM-4306-1.2	<i>p-n</i> -Nonylphenol (ring- <sup>13</sup> C <sub>6</sub> , 99%)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> *C <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in nonane	1.2 mL	¥143,000
CLM-4306-M-1.2			100 µg/mL in methanol	1.2 mL	¥143,000
ULM-4559-1.2	<i>p-n</i> -Nonylphenol (unlabeled)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> C <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in nonane	1.2 mL	¥38,000
ULM-4559-M-1.2			100 µg/mL in methanol	1.2 mL	¥38,000
CLM-4512-1.2	<i>p-n</i> -Nonylphenol monoethoxylate (ring- <sup>13</sup> C <sub>6</sub> , 99%)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> *C <sub>6</sub> H <sub>4</sub> O(CH <sub>2</sub> ) <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥158,000
CLM-4512-M-1.2			100 µg/mL in methanol	1.2 mL	¥158,000
ULM-4520-1.2	<i>p-n</i> -Nonylphenol monoethoxylate (unlabeled)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> C <sub>6</sub> H <sub>4</sub> O(CH <sub>2</sub> ) <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥38,000
ULM-4520-M-1.2			100 µg/mL in methanol	1.2 mL	¥38,000
ULM-4520-SA-5X-1.2			500 µg/mL in acetonitrile	1.2 mL	¥105,000
CLM-4307-1.2	<i>p-n</i> -Nonylphenol diethoxylate (ring- <sup>13</sup> C <sub>6</sub> , 99%)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> *C <sub>6</sub> H <sub>4</sub> O(CH <sub>2</sub> ) <sub>2</sub> O (CH <sub>2</sub> ) <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥158,000
CLM-4307-M-1.2			100 µg/mL in methanol	1.2 mL	¥158,000
ULM-4521-1.2	<i>p-n</i> -Nonylphenol diethoxylate (unlabeled)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> C <sub>6</sub> H <sub>4</sub> O(CH <sub>2</sub> ) <sub>2</sub> O (CH <sub>2</sub> ) <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥68,000
ULM-4521-M-1.2			100 µg/mL in methanol	1.2 mL	¥68,000
ULM-4521-SA-5X-1.2			500 µg/mL in acetonitrile	1.2 mL	¥105,000
CLM-4516-1.2	<i>p-n</i> -Nonylphenol triethoxylate (ring- <sup>13</sup> C <sub>6</sub> , 99%) CP 90%	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> *C <sub>6</sub> H <sub>4</sub> O(CH <sub>2</sub> ) <sub>2</sub> O (CH <sub>2</sub> ) <sub>2</sub> O(CH <sub>2</sub> ) <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥158,000
ES-4157	<i>p-n</i> -Nonylphenol + mono-/di-/tri-ethoxylates (set of individual standards) 1 ampoule each of CLM-4306-1.2, CLM-4512-1.2, CLM-4307-1.2 and CLM-4516-1.2			Set of 4 × 1.2 mL	¥503,000
ULM-6560-1.2	<i>p</i> -Nonylphenol – technical grade (unlabeled)	C <sub>9</sub> H <sub>19</sub> C <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in nonane	1.2 mL	¥38,000
ULM-7146-1.2	Nonylphenol monoethoxylate-branched isomers (unlabeled)	C <sub>9</sub> H <sub>19</sub> C <sub>6</sub> H <sub>4</sub> O(CH <sub>2</sub> ) <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥59,000
ULM-7147-1.2	Nonylphenol diethoxylate-branched isomers (unlabeled)	C <sub>9</sub> H <sub>19</sub> C <sub>6</sub> H <sub>4</sub> O(CH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥68,000
ULM-4688-1.2	Nonylphenoxyacetic acid – ring/chain isomers (unlabeled)	C <sub>9</sub> H <sub>19</sub> C <sub>6</sub> H <sub>4</sub> OCH <sub>2</sub> CO <sub>2</sub> H	100 µg/mL in nonane	1.2 mL	¥59,000
ULM-4690-1.2	<i>p-n</i> -Nonylphenoxyethoxyacetic acid (unlabeled)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> C <sub>6</sub> H <sub>4</sub> O(CH <sub>2</sub> ) <sub>2</sub> OCH <sub>2</sub> CO <sub>2</sub> H	100 µg/mL in nonane	1.2 mL	¥68,000

## Chlorinated Paraffin Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-9000-1.2	1,5,5,6,6,10-Hexachlorodecane ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>16</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-8917-1.2	1,5,5,6,6,10-Hexachlorodecane (unlabeled)	C <sub>10</sub> H <sub>16</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥59,000
CLM-9679-1.2	1,1,1,3,10,12,12,12-Octachlorododecane ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>18</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
ULM-9485-1.2	1,1,1,3,10,12,12,12-Octachlorododecane (unlabeled)	C <sub>12</sub> H <sub>18</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ

## Nitrosamine Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price (¥)
DLM-7779-S	<i>N</i> -Nitrodimethylamine (D <sub>6</sub> , 98%)	C <sub>2</sub> D <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	1 mg/mL in MeCl-D <sub>2</sub>	1 mL	¥89,000
ULM-7780-S	<i>N</i> -Nitrodimethylamine (unlabeled)	C <sub>2</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	1 mg/mL in MeCl	1 mL	¥44,000
DLM-7982-S	<i>N</i> -Nitrosodiethylamine (D <sub>10</sub> , 98%)	(C <sub>2</sub> D <sub>5</sub> ) <sub>2</sub> NNO	1 mg/mL in MeCl-D <sub>2</sub>	1 mL	¥45,000
ULM-7984-1.2	<i>N</i> -Nitrosodiethylamine (unlabeled)	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> NNO	1 mg/mL in MeCl	1.2 mL	¥23,000
CDLM-7279-S	<i>N</i> -Nitrosodimethylamine ( <sup>13</sup> C <sub>2</sub> , 99%; D <sub>6</sub> , 98%)	*C <sub>2</sub> D <sub>6</sub> N <sub>2</sub> O	1 mg/mL in MeCl-D <sub>2</sub>	1 mL	¥78,000
DLM-2130-S	<i>N</i> -Nitrosodimethylamine (D <sub>6</sub> , 98%)	C <sub>2</sub> D <sub>6</sub> N <sub>2</sub> O	1 mg/mL in MeCl-D <sub>2</sub>	1 mL	¥45,000
NLM-7647-S	<i>N</i> -Nitrosodimethylamine ( <sup>15</sup> N <sub>2</sub> , 98%)	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> *N*NO	1 mg/mL in MeCl	1 mL	¥83,000
ULM-9042-S	<i>N</i> -Nitrosodimethylamine (unlabeled)	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> NNO	1 mg/mL in MeCl	1 mL	¥23,000
DLM-3098-S	<i>N</i> -Nitrosodiphenylamine (2,2',4,4',6,6'-D <sub>6</sub> , 98%)	(C <sub>6</sub> D <sub>3</sub> H <sub>2</sub> ) <sub>2</sub> NN=O	1 mg/mL in MeCl-D <sub>2</sub>	1 mL	¥45,000
ULM-7219-1.2	<i>N</i> -Nitrosodiphenylamine (unlabeled)	C <sub>12</sub> H <sub>10</sub> N <sub>2</sub> O	1 mg/mL in MeCl	1.2 mL	¥23,000
DLM-2131-S	<i>N</i> -Nitrosodi- <i>n</i> -propylamine (D <sub>14</sub> , 98%)	C <sub>6</sub> D <sub>14</sub> N <sub>2</sub> O	1 mg/mL in MeCl-D <sub>2</sub>	1 mL	¥45,000
ULM-6637-S	<i>N</i> -Nitrosodi- <i>n</i> -propylamine (unlabeled)	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O	1 mg/mL in MeCl	1 mL	¥23,000
DLM-8254-1.2	<i>N</i> -Nitrosomorpholine (D <sub>8</sub> , 98%)	CD <sub>8</sub> N <sub>2</sub> O <sub>2</sub>	1 mg/mL in MeCl-D <sub>2</sub>	1.2 mL	¥77,000
ULM-8255-1.2	<i>N</i> -Nitrosomorpholine (unlabeled) CP 96%	CH <sub>8</sub> N <sub>2</sub> O <sub>2</sub>	1 mg/mL in MeCl	1.2 mL	¥29,000
DLM-8252-1.2	<i>N</i> -Nitrosopyrrolidine (D <sub>8</sub> , 98%)	C <sub>4</sub> D <sub>8</sub> N <sub>2</sub> O	1 mg/mL in MeCl-D <sub>2</sub>	1.2 mL	¥77,000
ULM-8253-1.2	<i>N</i> -Nitrosopyrrolidine (unlabeled)	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O	1 mg/mL in MeCl	1.2 mL	¥29,000

## Halogenated and Substituted Benzene, Phenol, and Anisole Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-871-0.5	Bromobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>5</sub> Br	neat	0.5 g	¥177,000
DLM-398-5	Bromobenzene (D <sub>5</sub> , 99%)	C <sub>6</sub> D <sub>5</sub> Br	neat	5 g	お問い合わせ
DLM-398-10			neat	10 g	お問い合わせ
DLM-398-25			neat	25 g	お問い合わせ
CLM-2268-1.2	4-Bromophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>4</sub> BrOH	100 µg/mL in toluene	1.2 mL	¥105,000
ULM-6917-1.2	4-Bromophenol (unlabeled)	C <sub>6</sub> H <sub>4</sub> BrOH	100 µg/mL in toluene	1.2 mL	¥38,000
DLM-263-1	Chlorobenzene (D <sub>5</sub> , 99%)	C <sub>6</sub> D <sub>5</sub> Cl	neat	1 g	¥12,000
DLM-263-5			neat	5 g	¥40,000
DLM-1638-0.1	2-Chlorophenol (ring-D <sub>4</sub> , 99%)	C <sub>6</sub> D <sub>4</sub> ClOH	neat	0.1 g	¥24,000
DLM-1638-0.25			neat	0.25 g	¥51,000
CLM-1913-1.2	4-Chlorophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>4</sub> ClOH	100 µg/mL in toluene	1.2 mL	¥72,000
ULM-7420-1.2	4-Chlorophenol (unlabeled)	C <sub>6</sub> H <sub>4</sub> ClOH	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-9373-1.2	2,4-Dibromoanisole (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> Br <sub>2</sub> H <sub>3</sub> OCH <sub>3</sub>	100 µg/mL in toluene	1.2 mL	お問い合わせ
ULM-9369-1.2	2,4-Dibromoanisole (unlabeled)	C <sub>6</sub> Br <sub>2</sub> H <sub>3</sub> OCH <sub>3</sub>	100 µg/mL in toluene	1.2 mL	お問い合わせ
CLM-1340-0.1	1,4-Dibromobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>4</sub> Br <sub>2</sub>	neat	0.1 g	¥149,000
DLM-341-5	1,4-Dibromobenzene (D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>4</sub> Br <sub>2</sub>	neat	5 g	¥45,000
CLM-6058-1.2	2,4-Dibromophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>3</sub> Br <sub>2</sub> OH	100 µg/mL in toluene	1.2 mL	¥105,000
ULM-6918-1.2	2,4-Dibromophenol (unlabeled)	C <sub>6</sub> H <sub>3</sub> Br <sub>2</sub> OH	100 µg/mL in toluene	1.2 mL	¥38,000
CLM-8007-1.2	2,6-Dibromophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>3</sub> Br <sub>2</sub> OH	100 µg/mL in toluene	1.2 mL	¥105,000
ULM-7603-1.2	2,6-Dibromophenol (unlabeled)	C <sub>6</sub> H <sub>3</sub> Br <sub>2</sub> OH	100 µg/mL in toluene	1.2 mL	¥38,000
CLM-126-1.2	1,2-Dichlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	100 µg/mL in isooctane	1.2 mL	¥89,000
DLM-158-1	1,2-Dichlorobenzene (D <sub>4</sub> , 99%)	C <sub>6</sub> D <sub>4</sub> Cl <sub>2</sub>	neat	1 g	お問い合わせ
DLM-158-5			neat	5 g	お問い合わせ
ULM-7415-1.2	1,2-Dichlorobenzene (unlabeled)	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	100 µg/mL in isooctane	1.2 mL	¥29,000
CLM-4484-1.2	1,3-Dichlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	100 µg/mL in isooctane	1.2 mL	¥119,000
DLM-2139-0.1	1,3-Dichlorobenzene (D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>4</sub> Cl <sub>2</sub>	neat	0.1 g	お問い合わせ
ULM-7431-1.2	1,3-Dichlorobenzene (unlabeled)	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	100 µg/mL in isooctane	1.2 mL	¥29,000
CLM-1518-1	1,4-Dichlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	neat	1 mg	¥183,000
DLM-268-5	1,4-Dichlorobenzene (D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>4</sub> Cl <sub>2</sub>	neat	5 g	¥74,000
DLM-1359-0.1	2,4-Dichlorophenol (ring-D <sub>3</sub> , 98%)	C <sub>6</sub> D <sub>3</sub> Cl <sub>2</sub> OH	neat	0.1 g	¥42,000
DLM-1359-0.5			neat	0.5 g	¥138,000
DLM-1669-0.1	2,4-Dichlorophenol (D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>3</sub> Cl <sub>2</sub> OD	neat	0.1 g	¥56,000
ULM-6822-1.2	2,4-Dichlorophenol (unlabeled)	C <sub>6</sub> H <sub>3</sub> Cl <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-1365-1.2	2,5-Dichlorophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>3</sub> Cl <sub>2</sub> OH	100 µg/mL in methanol	1.2 mL	¥105,000
ULM-9066-1.2	2,5-Dichlorophenol (unlabeled)	C <sub>6</sub> H <sub>3</sub> Cl <sub>2</sub> OH	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-1921-1.2	Hexabromobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> Br <sub>6</sub>	100 µg/mL in toluene	1.2 mL	¥95,000
ULM-7607-1.2	Hexabromobenzene (unlabeled)	C <sub>6</sub> Br <sub>6</sub>	100 µg/mL in toluene	1.2 mL	¥38,000
CLM-351-1.2	Hexachlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥48,000
CLM-351-0.1			neat	0.1 g	お問い合わせ
ULM-6130-1.2	Hexachlorobenzene (unlabeled)	C <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-8992-1.2	Pentabromoanisole ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> CH <sub>2</sub> Br <sub>5</sub> O	100 µg/mL in toluene	1.2 mL	¥89,000
ULM-8991-1.2	Pentabromoanisole (unlabeled)	C <sub>7</sub> H <sub>3</sub> Br <sub>5</sub> O	100 µg/mL in toluene	1.2 mL	¥29,000
CLM-1959-1.2	Pentabromophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> Br <sub>5</sub> OH	100 µg/mL in toluene	1.2 mL	¥89,000
ULM-6922-1.2	Pentabromophenol (unlabeled)	C <sub>6</sub> Br <sub>5</sub> OH	100 µg/mL in toluene	1.2 mL	¥38,000
CLM-8003-1.2	Pentachloroanisole ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> CH <sub>2</sub> Cl <sub>5</sub> O	100 µg/mL in toluene	1.2 mL	¥89,000
ULM-7605-1.2	Pentachloroanisole (unlabeled)	C <sub>6</sub> CH <sub>2</sub> Cl <sub>5</sub> O	100 µg/mL in toluene	1.2 mL	¥29,000
CLM-2050-1.2	Pentachlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> HCl <sub>5</sub>	100 µg/mL in isooctane	1.2 mL	¥59,000
ULM-7234-1.2	Pentachlorobenzene (unlabeled)	C <sub>6</sub> HCl <sub>5</sub>	100 µg/mL in isooctane	1.2 mL	¥29,000
CLM-1955-1.2	Pentachloronitrobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> Cl <sub>5</sub> NO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥59,000
ULM-7597-1.2	Pentachloronitrobenzene (unlabeled)	C <sub>6</sub> Cl <sub>5</sub> NO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥23,000
CLM-661-1.2	Pentachlorophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> Cl <sub>5</sub> OH	100 µg/mL in nonane	1.2 mL	¥47,000
CLM-661-0.01			neat	0.01 g	¥75,000
ULM-6894-1.2	Pentachlorophenol (unlabeled)	C <sub>6</sub> Cl <sub>5</sub> OH	100 µg/mL in nonane	1.2 mL	¥29,000

## Halogenated and Substituted Benzene, Phenol, and Anisole Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-1996-1.2	2,3,4,5-Tetrabromophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> HBr <sub>4</sub> OH	100 µg/mL in toluene	1.2 mL	¥105,000
ULM-6778-1.2	2,3,4,5-Tetrabromophenol (unlabeled)	C <sub>6</sub> HBr <sub>4</sub> OH	100 µg/mL in toluene	1.2 mL	¥38,000
CLM-1982-1.2	1,2,3,4-Tetrachlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>2</sub> Cl <sub>4</sub>	100 µg/mL in isooctane	1.2 mL	¥53,000
ULM-6195-1.2	1,2,3,4-Tetrachlorobenzene (unlabeled)	C <sub>6</sub> H <sub>2</sub> Cl <sub>4</sub>	100 µg/mL in isooctane	1.2 mL	¥29,000
ULM-7599-1.2	1,2,3,5-Tetrachlorobenzene (unlabeled)	C <sub>6</sub> H <sub>2</sub> Cl <sub>4</sub>	100 µg/mL in isooctane	1.2 mL	お問い合わせ
CLM-585-0.1	1,2,4,5-Tetrachlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>2</sub> Cl <sub>4</sub>	neat	0.1 g	¥299,000
CLM-585-5			neat	5 mg	¥113,000
DLM-1177-1	1,2,4,5-Tetrachlorobenzene (D <sub>2</sub> , 98%)	C <sub>6</sub> D <sub>2</sub> Cl <sub>4</sub>	neat	1 g	¥77,000
DLM-1177-5			neat	5 g	¥248,000
ULM-7598-1.2	1,2,4,5-Tetrachlorobenzene (unlabeled)	C <sub>6</sub> H <sub>2</sub> Cl <sub>4</sub>	100 µg/mL in isooctane	1.2 mL	¥29,000
ULM-2428-0.1	2,3,4,5-Tetrachlorophenol (unlabeled)	C <sub>6</sub> H <sub>2</sub> Cl <sub>4</sub> O	neat	0.1 g	¥33,000
ULM-2429-0.1	2,3,4,6-Tetrachlorophenol (unlabeled)	C <sub>6</sub> H <sub>2</sub> Cl <sub>4</sub> O	neat	0.1 g	¥33,000
ULM-2430-0.1	2,3,5,6-Tetrachlorophenol (unlabeled)	C <sub>6</sub> H <sub>2</sub> Cl <sub>4</sub> O	neat	0.1 g	¥33,000
CLM-9372-1.2	2,4,5-Tribromoanisole (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> CH <sub>5</sub> Br <sub>3</sub> O	100 µg/mL in toluene	1.2 mL	お問い合わせ
ULM-9367-1.2	2,4,5-Tribromoanisole (unlabeled)	C <sub>7</sub> H <sub>5</sub> Br <sub>3</sub> O	100 µg/mL in toluene	1.2 mL	お問い合わせ
CLM-6744-1.2	2,4,6-Tribromoanisole (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> CH <sub>5</sub> Br <sub>3</sub> O	100 µg/mL in toluene	1.2 mL	お問い合わせ
ULM-9370-1.2	2,4,6-Tribromoanisole (unlabeled)	C <sub>7</sub> H <sub>5</sub> Br <sub>3</sub> O	100 µg/mL in toluene	1.2 mL	お問い合わせ
CLM-7488	2,3,4-Tribromophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>2</sub> Br <sub>3</sub> OH			お問い合わせ
CLM-2235-1.2	2,3,5-Tribromophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>2</sub> Br <sub>3</sub> OH	100 µg/mL in toluene	1.2 mL	お問い合わせ
ULM-6919-1.2	2,3,5-Tribromophenol (unlabeled)	C <sub>6</sub> H <sub>2</sub> Br <sub>3</sub> OH	100 µg/mL in toluene	1.2 mL	お問い合わせ
CLM-6151-1.2	2,4,5-Tribromophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>2</sub> Br <sub>3</sub> OH	100 µg/mL in toluene	1.2 mL	¥105,000
ULM-6084-1.2	2,4,5-Tribromophenol (unlabeled)	C <sub>6</sub> H <sub>2</sub> Br <sub>3</sub> OH	100 µg/mL in toluene	1.2 mL	¥38,000
CLM-6743-1.2	2,4,6-Tribromophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>2</sub> Br <sub>3</sub> OH	100 µg/mL in toluene	1.2 mL	¥105,000
ULM-4210-1.2	2,4,6-Tribromophenol (unlabeled)	C <sub>6</sub> H <sub>2</sub> Br <sub>3</sub> OH	100 µg/mL in toluene	1.2 mL	¥38,000
CLM-1836-1.2	3,4,5-Tribromophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>2</sub> Br <sub>3</sub> OH	100 µg/mL in toluene	1.2 mL	お問い合わせ
DLM-9198	2,4,6-Trichloroanisole (methyl-D <sub>3</sub> , 99%)	C <sub>6</sub> H <sub>2</sub> Cl <sub>3</sub> OCD <sub>3</sub>			お問い合わせ
DLM-6083-1.2	2,4,6-Trichloroanisole (D <sub>5</sub> , 98%)	C <sub>6</sub> D <sub>2</sub> Cl <sub>3</sub> OCD <sub>3</sub>	1 mg/mL in methanol-D	1.2 mL	¥56,000
DLM-6083-0.1			neat	0.1 g	¥128,000
ULM-7999-1.2	2,4,6-Trichloroanisole (unlabeled)	C <sub>6</sub> H <sub>2</sub> Cl <sub>3</sub> OCH <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
DLM-1972-0.1	1,2,3-Trichlorobenzene (D <sub>3</sub> , 98%)	C <sub>6</sub> D <sub>3</sub> Cl <sub>3</sub>	neat	0.1 g	¥134,000
DLM-1178-0.1	1,2,4-Trichlorobenzene (D <sub>3</sub> , 98%)	C <sub>6</sub> D <sub>3</sub> Cl <sub>3</sub>	neat	0.1 g	¥23,000
DLM-1178-1			neat	1 g	¥72,000
DLM-1178-5			neat	5 g	¥225,000
DLM-799-1	1,3,5-Trichlorobenzene (D <sub>3</sub> , 98%)	C <sub>6</sub> D <sub>3</sub> Cl <sub>3</sub>	neat	1 g	お問い合わせ
CLM-513-1	2,4,5-Trichlorophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>2</sub> Cl <sub>3</sub> OH	100 µg/mL in methanol	1 mL	¥128,000
CLM-513-SI-1.2			100 µg/mL in isooctane	1.2 mL	¥128,000
DLM-2143-0.1	2,4,5-Trichlorophenol (ring-D <sub>2</sub> , 98%)	C <sub>6</sub> D <sub>2</sub> Cl <sub>3</sub> OH	neat	0.1 g	¥77,000
ULM-7525-1.2	2,4,5-Trichlorophenol (unlabeled)	C <sub>6</sub> H <sub>2</sub> Cl <sub>3</sub> OH	100 µg/mL in methanol	1.2 mL	¥29,000
CLM-1804-1.2	2,4,6-Trichlorophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>2</sub> Cl <sub>3</sub> OH	100 µg/mL in methanol	1.2 mL	¥128,000
CLM-1804-SI-1.2			100 µg/mL in isooctane	1.2 mL	¥128,000
DLM-3093-0.01	2,4,6-Trichlorophenol (ring-D <sub>2</sub> , 98%)	C <sub>6</sub> D <sub>2</sub> Cl <sub>3</sub> OH	neat	0.01 g	¥38,000
DLM-3093-0.1			neat	0.1 g	¥75,000
ULM-7600-1.2	2,4,6-Trichlorophenol (unlabeled)	C <sub>6</sub> H <sub>2</sub> Cl <sub>3</sub> OH	100 µg/mL in methanol	1.2 mL	¥29,000
ULM-7600-SI-1.2			100 µg/mL in isooctane	1.2 mL	お問い合わせ



Endocrine-Disrupting Compounds and Xenoestrogen Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-1643-1.2	Acenaphthene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>10</sub>	100 µg/mL in nonane	1.2 mL	¥248,000
DLM-108-1.2	Acenaphthene (D <sub>10</sub> , 98%)	C <sub>12</sub> D <sub>10</sub>	200 µg/mL in isooctane	1.2 mL	¥30,000
ULM-7413-1.2	Acenaphthene (unlabeled)	C <sub>12</sub> H <sub>10</sub>	200 µg/mL in isooctane	1.2 mL	¥23,000
CLM-3727-1.2	Alachlor (ring- <sup>13</sup> C <sub>6</sub> , 99%) CP 96%+	*C <sub>6</sub> C <sub>8</sub> H <sub>20</sub> ClNO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥195,000
CLM-4725-1.2	Aldrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-1333-1.2	Anthracene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>8</sub> H <sub>10</sub>	100 µg/mL in nonane	1.2 mL	¥158,000
DLM-102-1.2	Anthracene (D <sub>10</sub> , 98%)	C <sub>14</sub> D <sub>10</sub>	200 µg/mL in isooctane	1.2 mL	¥30,000
ULM-7412-1.2	Anthracene (unlabeled)	C <sub>14</sub> H <sub>10</sub>	200 µg/mL in isooctane	1.2 mL	¥23,000
CLM-3737-1.2	Atrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>5</sub> H <sub>14</sub> ClN <sub>5</sub>	100 µg/mL in nonane	1.2 mL	¥89,000
CLM-3602-1.2	Benzo[a]anthracene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>12</sub> H <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥263,000
DLM-610-1.2	Benzo[a]anthracene (D <sub>12</sub> , 98%)	C <sub>18</sub> D <sub>12</sub>	200 µg/mL in isooctane	1.2 mL	¥30,000
ULM-2415-I-1.2	Benzo[a]anthracene (unlabeled)	C <sub>18</sub> H <sub>12</sub>	200 µg/mL in isooctane	1.2 mL	¥15,000
CLM-2722-1.2	Benzo[a]pyrene ( <sup>13</sup> C <sub>4</sub> , 99%)	*C <sub>4</sub> C <sub>16</sub> H <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥293,000
DLM-258-1.2	Benzo[a]pyrene (D <sub>12</sub> , 98%)	C <sub>20</sub> D <sub>12</sub>	200 µg/mL in isooctane	1.2 mL	¥30,000
ULM-2412-I-1.2	Benzo[a]pyrene (unlabeled)	C <sub>20</sub> H <sub>12</sub>	200 µg/mL in isooctane	1.2 mL	¥15,000
CLM-6170-1.2	Benzo[e]pyrene ( <sup>13</sup> C <sub>4</sub> , 99%)	*C <sub>4</sub> C <sub>16</sub> H <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥293,000
DLM-257-1.2	Benzo[e]pyrene (D <sub>12</sub> , 98%)	C <sub>20</sub> D <sub>12</sub>	200 µg/mL in isooctane	1.2 mL	¥30,000
ULM-7423-1.2	Benzo[e]pyrene (unlabeled)	C <sub>20</sub> H <sub>12</sub>	200 µg/mL in isooctane	1.2 mL	¥23,000
CLM-3599-1.2	Benzo[b]fluoranthene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>14</sub> H <sub>1</sub>	100 µg/mL in nonane	1.2 mL	¥203,000
DLM-2136-1.2	Benzo[b]fluoranthene (D <sub>12</sub> , 98%)	C <sub>20</sub> D <sub>12</sub>	200 µg/mL in isooctane	1.2 mL	¥30,000
ULM-2416-I-1.2	Benzo[b]fluoranthene (unlabeled)	C <sub>20</sub> H <sub>12</sub>	200 µg/mL in isooctane	1.2 mL	¥23,000
CLM-9590-1.2	Benzo[j]fluoranthene ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> C <sub>8</sub> H <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥239,000
ULM-2411-1.2	Benzo[j]fluoranthene (unlabeled)	C <sub>20</sub> H <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥23,000
CLM-3756-1.2	Benzo[k]fluoranthene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>14</sub> H <sub>1</sub>	100 µg/mL in nonane	1.2 mL	¥195,000
DLM-1923-1.2	Benzo[k]fluoranthene (D <sub>12</sub> , 98%)	C <sub>20</sub> D <sub>12</sub>	200 µg/mL in isooctane	1.2 mL	¥30,000
CLM-9730-1.2	Benzo[c]phenanthrene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>12</sub> H <sub>12</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
ULM-8155-1.2	Benzo[c]phenanthrene (unlabeled)	C <sub>18</sub> H <sub>12</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
DLM-183-1.2	Benzophenone (D <sub>10</sub> , 98%)	C <sub>6</sub> D <sub>5</sub> COC <sub>6</sub> D <sub>5</sub>	100 µg/mL in nonane	1.2 mL	¥89,000
ULM-8303-1.2	Benzophenone (unlabeled)	(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> CO	100 µg/mL in nonane	1.2 mL	¥23,000
DLM-1369-1.2	Benzyl butyl phthalate (ring-D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>4</sub> [CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ][CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub> ]	100 µg/mL in nonane	1.2 mL	¥87,000
CLM-2482-1.2	α-HCH (α-BHC) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥155,000
CLM-3623-1.2	β-HCH (β-BHC) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	50 µg/mL in nonane	2 × 1.2 mL	¥158,000
CLM-1282-1.2	γ-HCH (γ-BHC) (lindane) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥153,000
CLM-4675-1.2	Bis(2-ethylhexyl) adipate (adipate- <sup>13</sup> C <sub>6</sub> , 99%)	(*CH <sub>2</sub> ) <sub>4</sub> [*CO <sub>2</sub> (CH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )C <sub>4</sub> H <sub>9</sub> )] <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥105,000
DLM-1368-1.2	Bis(2-ethylhexyl) phthalate (ring-D <sub>4</sub> , 98%)	C <sub>6</sub> D <sub>4</sub> -1,2-[CO <sub>2</sub> C <sub>8</sub> H <sub>17</sub> ] <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥96,000
ULM-6241-1.2	Bis(2-ethylhexyl) phthalate (unlabeled)	C <sub>6</sub> H <sub>4</sub> [CO <sub>2</sub> CH <sub>2</sub> CH(CH <sub>2</sub> CH <sub>3</sub> )(CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ] <sub>2</sub>	1000 µg/mL in nonane	1.2 mL	¥29,000
CLM-4325-1.2	Bisphenol A (ring- <sup>13</sup> C <sub>12</sub> , 99%)	(*C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥105,000
ULM-7106-1.2	Bisphenol A (unlabeled)	(C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
ULM-8654-1.2	2,4'-Bisphenol A (unlabeled)	(C <sub>6</sub> H <sub>4</sub> OH) <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥83,000
CLM-9319-1.2	Bisphenol S ( <sup>13</sup> C <sub>12</sub> , 98%)	*C <sub>12</sub> H <sub>10</sub> O <sub>4</sub> S	100 µg/mL in methanol	1.2 mL	¥119,000
ULM-9320-1.2	Bisphenol S (unlabeled)	C <sub>12</sub> H <sub>10</sub> O <sub>4</sub> S	100 µg/mL in methanol	1.2 mL	¥38,000
CLM-9776-1.2	Bisphenol AF (ring- <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> C <sub>3</sub> H <sub>10</sub> F <sub>6</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥119,000
ULM-9779-1.2	Bisphenol AF (unlabeled)	C <sub>15</sub> H <sub>10</sub> F <sub>6</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥38,000
CLM-4674-1.2	n-Butylbenzene (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>5</sub> C <sub>4</sub> H <sub>9</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
CLM-4682-1.2	Carbaryl (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥113,000
ULM-8096-1.2	Carbaryl (unlabeled)	C <sub>10</sub> H <sub>7</sub> CO <sub>2</sub> NHCH <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-1911-1.2	Carbofuran (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>15</sub> NO <sub>3</sub>	100 µg/mL in 1,4-dioxane	1.2 mL	¥233,000
ULM-7419-1.2	Carbofuran (unlabeled)	C <sub>12</sub> H <sub>15</sub> NO <sub>3</sub>	100 µg/mL in 1,4-dioxane	1.2 mL	¥29,000
CLM-4792-1.2	trans-Chlordane (γ) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-4814-1.2	Chlordecone (kepone) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2301-1.2	Chlordecone (kepone) (unlabeled)	C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4758-1.2	Chlordene ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7443-1.2	Chlordene (unlabeled)	C <sub>10</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-4360-1.2	Chlorpyrifos (diethyl-D <sub>10</sub> , 99%)	C <sub>9</sub> D <sub>10</sub> H <sub>1</sub> Cl <sub>3</sub> NO <sub>3</sub> PS	100 µg/mL in nonane	1.2 mL	¥105,000
CLM-3757-1.2	Chrysene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>12</sub> H <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥203,000
DLM-261-1.2	Chrysene (D <sub>12</sub> , 98%)	C <sub>18</sub> D <sub>12</sub>	200 µg/mL in toluene-D <sub>8</sub>	1.2 mL	¥30,000
ULM-7424-1.2	Chrysene (unlabeled)	C <sub>18</sub> H <sub>12</sub>	200 µg/mL in toluene	1.2 mL	¥23,000
CLM-7293-1.2	Cyfluthrin (mix of stereoisomers) (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>16</sub> H <sub>18</sub> Cl <sub>2</sub> FNO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥128,000

# Priority Pollutant, Endocrine Disruptor, and Chemical Contaminant Standards

## Endocrine-Disrupting Compounds and Xenoestrogen Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
ULM-7454-1.2	Cyfluthrin (mix of stereoisomers) (unlabeled)	$C_{22}H_{18}Cl_2FNO_3$	100 µg/mL in nonane	1.2 mL	¥38,000
CLM-7292-1.2	Cypermethrin (mix of stereoisomers) (phenoxy- $^{13}C_6$ , 99%)	$*C_6C_{16}H_{19}Cl_2NO_3$	100 µg/mL in nonane	1.2 mL	¥128,000
ULM-7453-1.2	Cypermethrin (mix of stereoisomers) (unlabeled)	$C_{22}H_{19}Cl_2NO_3$	100 µg/mL in nonane	1.2 mL	¥38,000
DLM-4461-1.2	Daidzein (3',5',8-D <sub>3</sub> , 97%)	$C_{15}D_3H_7O_4$	60 µg/mL in acetonitrile-D <sub>3</sub>	2 × 1.2 mL	¥173,000
ULM-4459-1.2	Daidzein (unlabeled)	$C_{15}H_{10}O_4$	60 µg/mL in acetonitrile	1.2 mL	¥83,000
CLM-6999-1.2	2,4'-DDD (ring- $^{13}C_{12}$ , 99%)	$*C_{12}C_2H_{10}Cl_4$	100 µg/mL in nonane	1.2 mL	¥128,000
DLM-3533-1.2	4,4'-DDD (ring-D <sub>8</sub> , 98%)	$C_{14}D_8H_4Cl_4$	100 µg/mL in nonane	1.2 mL	¥105,000
CLM-4693-1.2	2,4'-DDE (ring- $^{13}C_{12}$ , 99%)	$(Cl^*C_6H_4)_2C=CCl_2$	100 µg/mL in nonane	1.2 mL	¥123,000
ULM-6251-1.2	2,4'-DDE (unlabeled)	$(ClC_6H_4)_2C=CCl_2$	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-1627-1.2	4,4'-DDE (ring- $^{13}C_{12}$ , 99%)	$(Cl^*C_6H_4)_2C=CCl_2$	100 µg/mL in nonane	1.2 mL	¥108,000
CLM-4692-1.2	2,4'-DDT (ring- $^{13}C_{12}$ , 99%)	$(Cl^*C_6H_4)_2CHCCl_3$	100 µg/mL in nonane	1.2 mL	¥123,000
ULM-6134-1.2	2,4'-DDT (unlabeled)	$(ClC_6H_4)CHCCl_3$	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-1281-1.2	4,4'-DDT (ring- $^{13}C_{12}$ , 99%)	$(Cl^*C_6H_4)_2CHCCl_3$	100 µg/mL in nonane	1.2 mL	¥108,000
ULM-6135-1.2	4,4'-DDT (unlabeled)	$(ClC_6H_4)_2CHCCl_3$	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-1148-1.2	Diazinon (diethyl-D <sub>10</sub> , 98%)	$C_{12}D_{10}H_{11}N_2O_3PS$	100 µg/mL in nonane	1.2 mL	¥105,000
DLM-2943-1.2	2,6-Di( <i>tert</i> -butyl)-4-methylphenol (BHT) (D <sub>21</sub> , 98%)	$C_6D_2(C(CD_3)_3)_2CH_3OD$	100 µg/mL in nonane	1.2 mL	¥105,000
CLM-126-1.2	1,2-Dichlorobenzene ( $^{13}C_6$ , 99%)	$*C_6H_4Cl_2$	100 µg/mL in isooctane	1.2 mL	¥89,000
ULM-7415-1.2	1,2-Dichlorobenzene (unlabeled)	$C_6H_4Cl_2$	100 µg/mL in isooctane	1.2 mL	¥29,000
CLM-4484-1.2	1,3-Dichlorobenzene ( $^{13}C_6$ , 99%)	$*C_6H_4Cl_2$	100 µg/mL in isooctane	1.2 mL	¥119,000
ULM-7431-1.2	1,3-Dichlorobenzene (unlabeled)	$C_6H_4Cl_2$	100 µg/mL in isooctane	1.2 mL	¥29,000
DLM-1669-0.1	2,4-Dichlorophenol (ring-D <sub>3</sub> , OD, 98%)	$C_6D_3Cl_2OD$	neat	0.1 g	¥56,000
CLM-1858-1.2	2,4-Dichlorophenoxyacetic acid (ring- $^{13}C_6$ , 99%)	$Cl_2^*C_6H_3OCH_2CO_2H$	100 µg/mL in acetonitrile	1.2 mL	¥119,000
CLM-4726-1.2	Dieldrin ( $^{13}C_{12}$ , 99%)	$*C_{12}H_8Cl_6O$	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7230-1.2	Dieldrin (unlabeled)	$C_{12}H_8Cl_6O$	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-1629-1.2	Diethyl phthalate (ring-D <sub>4</sub> , 98%)	$C_6D_4(CO_2CH_2CH_3)_2$	100 µg/mL in nonane	1.2 mL	¥87,000
ULM-6174-1.2	Diethyl phthalate (unlabeled)	$C_6H_4(CO_2CH_2CH_3)_2$	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-7151-1.2	Dimethoate ( <i>O,O</i> -dimethyl-D <sub>6</sub> , 98%)	$C_5D_6H_6NO_3PS_2$	100 µg/mL in acetonitrile	1.2 mL	¥113,000
ULM-7972-1.2	Dimethoate (unlabeled)	$C_5H_{12}NO_3PS_2$	100 µg/mL in acetonitrile	1.2 mL	¥29,000
DLM-1367-1.2	Di- <i>n</i> -butyl phthalate (ring-D <sub>4</sub> , 98%)	$C_6D_4(COO(CH_2)_3CH_3)_2$	100 µg/mL in nonane	1.2 mL	¥96,000
ULM-7466-1.2	Di- <i>n</i> -butyl phthalate (unlabeled)	$C_{16}H_{22}O_4$	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4669-1.2	Di- <i>n</i> -hexyl phthalate (ring-1,2- $^{13}C_2$ , dicarboxyl- $^{13}C_2$ , 99%)	$*C_2C_4H_4[*CO_2(CH_2)_5CH_3]_2$	100 µg/mL in nonane	1.2 mL	¥89,000
ULM-7434-1.2	Di- <i>n</i> -hexyl phthalate (unlabeled)	$C_6H_4(CO_2(CH_2)_5CH_3)_2$	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4668-1.2	Di- <i>n</i> -pentyl phthalate (ring-1,2- $^{13}C_2$ , dicarboxyl- $^{13}C_2$ , 99%)	$*C_2C_4H_4[*CO_2(CH_2)_4CH_3]_2$	100 µg/mL in nonane	1.2 mL	¥89,000
ULM-7433-1.2	Di- <i>n</i> -pentyl phthalate (unlabeled)	$C_6H_4[CO_2(CH_2)_4CH_3]_2$	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4671-1.2	Di- <i>n</i> -propyl phthalate (ring-1,2- $^{13}C_2$ , dicarboxyl- $^{13}C_2$ , 99%)	$*C_2C_4H_4[*CO_2(CH_2)_2CH_3]_2$			お問い合わせ
CLM-6025-1.2	Endosulfan I ( $^{13}C_9$ , 99%)	$*C_9H_6Cl_6O_3S$	100 µg/mL in nonane	1.2 mL	¥293,000
DLM-2862-1.2	Endosulfan I (D <sub>4</sub> , 97%)	$C_9D_4H_2Cl_6O_3S$	100 µg/mL in nonane	1.2 mL	¥77,000
ULM-7447-1.2	Endosulfan I (unlabeled)	$C_9H_6Cl_6O_3S$	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-6026-1.2	Endosulfan II ( $^{13}C_9$ , 99%)	$*C_9H_6Cl_6O_3S$	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7448-1.2	Endosulfan II (unlabeled)	$C_9H_6Cl_6O_3S$	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-7531-1.2	Endosulfan sulfate ( $^{13}C_9$ , 99%)	$*C_9H_6Cl_6O_4S$	100 µg/mL in nonane	1.2 mL	¥209,000
ULM-7990-1.2	Endosulfan sulfate (unlabeled)	$C_9H_6Cl_6O_4S$	100 µg/mL in nonane	1.2 mL	¥38,000
CLM-4782-1.2	Endrin ( $^{13}C_{12}$ , 99%)	$*C_{12}H_8Cl_6O$	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7444-1.2	Endrin (unlabeled)	$C_{12}H_8Cl_6O$	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4815-1.2	Endrin aldehyde ( $^{13}C_{12}$ , 99%)	$*C_{12}H_8Cl_6O$	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-4815-50			neat	50 µg	¥149,000
ULM-8958-1.2	Endrin aldehyde (unlabeled)	$C_{12}H_8Cl_6O$	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4816-1.2	Endrin ketone ( $^{13}C_{12}$ , 99%)	$*C_{12}H_8Cl_6O$	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-4816-50			neat	50 µg	¥149,000



Endocrine-Disrupting Compounds and Xenoestrogen Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
ULM-8956-1.2	Endrin ketone (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-3374-1.2	Epichlorohydrin ( <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> H <sub>5</sub> OCl	100 µg/mL in acetonitrile	1.2 mL	¥149,000
ULM-7403-1.2	Epichlorohydrin (unlabeled)	C <sub>3</sub> H <sub>5</sub> OCl	100 µg/mL in acetonitrile	1.2 mL	¥29,000
DLM-4460-1.2	Genistein (3',5',6,8-D <sub>4</sub> , 95%)	C <sub>15</sub> D <sub>4</sub> H <sub>5</sub> O <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥173,000
CNLM-4666-1.2	Glyphosate (2- <sup>13</sup> C, 99%; <sup>15</sup> N, 98%+) CP 96%	HOOC*CH <sub>2</sub> *NHCH <sub>2</sub> PO(OH) <sub>2</sub>	100 µg/mL in water	1.2 mL	¥116,000
CNLM-4666-10X-1.2			1000 µg/mL in water	1.2 mL	¥375,000
ULM-6876-1.2	Glyphosate (unlabeled)	HOOCCH <sub>2</sub> NHCH <sub>2</sub> PO(OH) <sub>2</sub>	100 µg/mL in water	1.2 mL	¥29,000
CLM-4759-1.2	Heptachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2424-1.2	Heptachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4734-1.2	cis-Heptachlor epoxide ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2425-1.2	cis-Heptachlor epoxide (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
EB-5162	2,2',4,4',5,5'-HexaBB ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>4</sub> Br <sub>6</sub>	40 +/-4 µg/mL in nonane	1.2 mL	¥525,000
PBB-153-CS	2,2',4,4',5,5'-HexaBB (Certified Standard) (unlabeled)	C <sub>12</sub> H <sub>4</sub> Br <sub>6</sub>	100 µg/mL in isooctane	1.2 mL	¥45,000
CLM-351-1.2	Hexachlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥48,000
ULM-6130-1.2	Hexachlorobenzene (unlabeled)	C <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-9000-1.2	1,5,5,6,6,10-Hexachlorodecane ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>16</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-8917-1.2	1,5,5,6,6,10-Hexachlorodecane (unlabeled)	C <sub>10</sub> H <sub>16</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥59,000
ULM-9429-1.2	Hp-Sed (unlabeled)	C <sub>10</sub> H <sub>11</sub> Cl <sub>7</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9428-1.2	Hx-Sed (unlabeled)	C <sub>10</sub> H <sub>12</sub> Cl <sub>6</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-3600-1.2	Indeno[1,2,3-cd]pyrene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>14</sub> H <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥209,000
DLM-2148-1.2	Indeno[1,2,3-cd]pyrene (D <sub>12</sub> , 98%)	C <sub>22</sub> D <sub>12</sub>	200 µg/mL in isooctane	1.2 mL	¥30,000
CLM-4727-1.2	Isodrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7442-1.2	Isodrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-4476-1.2	Malathion (D <sub>10</sub> , 99%)	C <sub>10</sub> D <sub>10</sub> H <sub>9</sub> O <sub>6</sub> PS <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥105,000
ULM-8122-1.2	Malathion (unlabeled)	C <sub>10</sub> H <sub>19</sub> O <sub>6</sub> PS <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CNLM-8150-1.2	Melamine ( <sup>13</sup> C <sub>3</sub> , 99%; amino- <sup>15</sup> N <sub>3</sub> , 98%)	*C <sub>3</sub> H <sub>6</sub> *N <sub>3</sub> N <sub>3</sub>	100 µg/mL in water	1.2 mL	¥105,000
CNLM-8150-10X-1.2			1000 µg/mL in water	1.2 mL	¥375,000
ULM-8156-1.2	Melamine (unlabeled)	C <sub>3</sub> H <sub>6</sub> N <sub>6</sub>	100 µg/mL in water	1.2 mL	¥29,000
CNLM-7148-1.2	Methomyl (acetohydroxamate- <sup>13</sup> C <sub>2</sub> , 99%; <sup>15</sup> N, 98%)	*C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> N*NO <sub>2</sub> S	100 µg/mL in methanol	1.2 mL	¥113,000
ULM-8639-1.2	Methomyl (unlabeled)	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> S	100 µg/mL in methanol	1.2 mL	¥29,000
CLM-4683-1.2	Methoxychlor (ring- <sup>13</sup> C <sub>12</sub> , 99%)	(H <sub>3</sub> C*C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥113,000
ULM-7440-1.2	Methoxychlor (unlabeled)	(H <sub>3</sub> CC <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-3712-1.2	Metolachlor (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>9</sub> H <sub>2</sub> ClNO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥209,000
ULM-7314-1.2	Metolachlor (unlabeled)	C <sub>15</sub> H <sub>22</sub> ClNO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4813-1.2	Mirex ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> Cl <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2427-1.2	Mirex (unlabeled)	C <sub>10</sub> Cl <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-8246-1.2	Musk ketone (tert-butyl-D <sub>9</sub> , 98%)	(CD <sub>3</sub> ) <sub>3</sub> CC <sub>6</sub> (NO <sub>2</sub> ) <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub> COCH <sub>3</sub>			お問い合わせ
ULM-8290-1.2	Musk ketone (unlabeled)	(CH <sub>3</sub> ) <sub>3</sub> CC <sub>6</sub> (NO <sub>2</sub> ) <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub> COCH <sub>3</sub>			お問い合わせ
CLM-1332-1.2	Naphthalene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥128,000
ULM-7425-1.2	Naphthalene (unlabeled)	C <sub>10</sub> H <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥23,000
CLM-3914-1.2	DL-Nicotine (3',4',5'- <sup>13</sup> C <sub>3</sub> , 99%)	CH <sub>3</sub> *C <sub>3</sub> CH <sub>7</sub> NC <sub>5</sub> H <sub>4</sub> N	100 µg/mL in acetonitrile	1.2 mL	¥209,000
ULM-9547-1.2	Nicotine (unlabeled)	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
CLM-3913-S	4-Nitrotoluene (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>4</sub> CH <sub>3</sub> NO <sub>2</sub>	1 mg/mL in acetonitrile	1 mL	¥135,000
ULM-3891-1.2	4-Nitrotoluene (unlabeled)	C <sub>6</sub> H <sub>4</sub> CH <sub>3</sub> NO <sub>2</sub>	1 mg/mL in acetonitrile	1.2 mL	¥23,000
CLM-4811-1.2	cis-Nonachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7445-1.2	cis-Nonachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4735-1.2	trans-Nonachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7229-1.2	trans-Nonachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4306-1.2	p-n-Nonylphenol (ring- <sup>13</sup> C <sub>6</sub> , 99%)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> *C <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in nonane	1.2 mL	¥143,000
CLM-4306-M-1.2			100 µg/mL in methanol	1.2 mL	¥143,000
ULM-4559-1.2	p-n-Nonylphenol (unlabeled)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> C <sub>6</sub> H <sub>4</sub> OH	100 µg/mL in nonane	1.2 mL	¥38,000
ULM-4559-M-1.2			100 µg/mL in methanol	1.2 mL	¥38,000
CLM-4307-1.2	p-n-Nonylphenol diethoxylate (ring- <sup>13</sup> C <sub>6</sub> , 99%)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> *C <sub>6</sub> H <sub>4</sub> O(C <sub>2</sub> H <sub>4</sub> O) <sub>2</sub> H	100 µg/mL in nonane	1.2 mL	¥158,000
CLM-4307-M-1.2			100 µg/mL in methanol	1.2 mL	¥158,000

# Priority Pollutant, Endocrine Disruptor, and Chemical Contaminant Standards

## Endocrine-Disrupting Compounds and Xenoestrogen Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
ULM-4521-1.2	<i>p</i> - <i>n</i> -Nonylphenol diethoxylate (unlabeled)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> C <sub>6</sub> H <sub>4</sub> O(C <sub>2</sub> H <sub>4</sub> O) <sub>2</sub> H	100 µg/mL in nonane	1.2 mL	¥68,000
ULM-4521-M-1.2			100 µg/mL in methanol	1.2 mL	¥68,000
ULM-7147-1.2	Nonylphenol diethoxylate-branched isomers (unlabeled)	C <sub>9</sub> H <sub>19</sub> C <sub>6</sub> H <sub>4</sub> O(C <sub>2</sub> H <sub>4</sub> O) <sub>2</sub> H	100 µg/mL in nonane	1.2 mL	お問い合わせ
CLM-4512-1.2	<i>p</i> - <i>n</i> -Nonylphenol monoethoxylate	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> *C <sub>6</sub> H <sub>4</sub> O(CH <sub>2</sub> ) <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥158,000
CLM-4512-M-1.2	(ring- <sup>13</sup> C <sub>6</sub> , 99%)		100 µg/mL in methanol	1.2 mL	¥158,000
ULM-4520-1.2	<i>p</i> - <i>n</i> -Nonylphenol monoethoxylate (unlabeled)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> C <sub>6</sub> H <sub>4</sub> O(CH <sub>2</sub> ) <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥38,000
ULM-4520-M-1.2			100 µg/mL in methanol	1.2 mL	¥38,000
ULM-7146-1.2	Nonylphenol monoethoxylate-branched isomers (unlabeled)	C <sub>9</sub> H <sub>19</sub> C <sub>6</sub> H <sub>4</sub> O(CH <sub>2</sub> ) <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥59,000
CLM-4516-1.2	<i>p</i> - <i>n</i> -Nonylphenol triethoxylate (ring- <sup>13</sup> C <sub>6</sub> , 99%) CP 90%	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> *C <sub>6</sub> H <sub>4</sub> O(C <sub>2</sub> H <sub>4</sub> O) <sub>3</sub> H	100 µg/mL in nonane	1.2 mL	¥158,000
CLM-9679-1.2	1,1,1,3,10,12,12,12-Octachlorododecane ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>18</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
ULM-9485-1.2	1,1,1,3,10,12,12,12-Octachlorododecane (unlabeled)	C <sub>12</sub> H <sub>18</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
CLM-4729-1.2	Oxychlordane ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>4</sub> Cl <sub>8</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-6139-1.2	Oxychlordane (unlabeled)	C <sub>10</sub> H <sub>4</sub> Cl <sub>8</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-9849-1.2	Benzyl paraben (benzyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>8</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
ULM-9850-1.2	Benzyl paraben (benzyl 4-hydroxybenzoate) (unlabeled)	C <sub>14</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
CLM-8285-1.2	<i>n</i> -Butyl paraben (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>5</sub> H <sub>14</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥149,000
ULM-8287-1.2	<i>n</i> -Butyl paraben (unlabeled)	C <sub>11</sub> H <sub>14</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
CLM-9761-1.2	Ethyl paraben (ethyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>3</sub> H <sub>10</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥113,000
ULM-9760-1.2	Ethyl paraben (ethyl 4-hydroxybenzoate) (unlabeled)	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
CLM-9847-1.2	Isobutyl paraben (isobutyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>5</sub> H <sub>14</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
ULM-9848-1.2	Isobutyl paraben (isobutyl 4-hydroxybenzoate) (unlabeled)	C <sub>11</sub> H <sub>14</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
CLM-9845-1.2	Isopropyl paraben (isopropyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
ULM-9846-1.2	Isopropyl paraben (isopropyl 4-hydroxybenzoate) (unlabeled)	C <sub>10</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	お問い合わせ
CLM-8249-1.2	Methyl paraben (methyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>2</sub> H <sub>8</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥108,000
ULM-8250-1.2	Methyl paraben (methyl 4-hydroxybenzoate) (unlabeled)	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
CLM-9763-1.2	<i>n</i> -Propyl paraben ( <i>n</i> -propyl 4-hydroxybenzoate) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥119,000
ULM-9762-1.2	<i>n</i> -Propyl paraben ( <i>n</i> -propyl 4-hydroxybenzoate) (unlabeled)	C <sub>10</sub> H <sub>12</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
DLM-2970-1.2	Parathion (diethyl-D <sub>10</sub> , 98%)	C <sub>10</sub> D <sub>10</sub> H <sub>4</sub> NOPS	100 µg/mL in nonane	1.2 mL	¥56,000
ULM-8144-1.2	Parathion (unlabeled)	C <sub>10</sub> H <sub>14</sub> NOPS	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-7930-1.2	Parlar 26 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-7828-1.2	Parlar 26 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8705-1.2	Parlar 32 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>11</sub> Cl <sub>7</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8665-1.2	Parlar 32 (unlabeled)	C <sub>10</sub> H <sub>11</sub> Cl <sub>7</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9005-1.2	Parlar 38 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8719-1.2	Parlar 39 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>11</sub> Cl <sub>7</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8767-1.2	Parlar 39 (unlabeled)	C <sub>10</sub> H <sub>11</sub> Cl <sub>7</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9431-1.2	Parlar 41 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9432-1.2	Parlar 44 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-7931-1.2	Parlar 50 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-7829-1.2	Parlar 50 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-7932-1.2	Parlar 62 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-7830-1.2	Parlar 62 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000

Endocrine-Disrupting Compounds and Xenoestrogen Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-8720-1.2	Parlar 69 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8768-1.2	Parlar 69 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8721-1.2	Parlar 70 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8769-1.2	Parlar 70 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
EC-1404-3	PCB-77 (3,3',4,4'-tetraCB) ( <sup>13</sup> C <sub>12</sub> , 99%)	(*C <sub>6</sub> Cl <sub>2</sub> H <sub>2</sub> ) <sub>2</sub>	40 µg/mL in nonane	3 mL	¥179,000
EC-1425-3	PCB-126 (3,3',4,4',5-pentaCB) ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>6</sub> Cl <sub>3</sub> H <sub>2</sub> *C <sub>6</sub> Cl <sub>2</sub> H <sub>3</sub>	40 µg/mL in nonane	3 mL	¥239,000
EC-1416-3	PCB-169 (3,3',4,4',5,5'-hexaCB) ( <sup>13</sup> C <sub>12</sub> , 99%)	(*C <sub>6</sub> Cl <sub>3</sub> H <sub>2</sub> ) <sub>2</sub>	40 µg/mL in nonane	3 mL	¥233,000
CLM-2050-1.2	Pentachlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> HCl <sub>5</sub>	100 µg/mL in isooctane	1.2 mL	¥59,000
ULM-7234-1.2	Pentachlorobenzene (unlabeled)	C <sub>6</sub> HCl <sub>5</sub>	100 µg/mL in isooctane	1.2 mL	¥29,000
CLM-1955-1.2	Pentachloronitrobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> Cl <sub>5</sub> NO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥59,000
ULM-7597-1.2	Pentachloronitrobenzene (unlabeled)	C <sub>6</sub> Cl <sub>5</sub> NO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥23,000
CLM-661-1.2	Pentachlorophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> Cl <sub>5</sub> OH	100 µg/mL in nonane	1.2 mL	¥47,000
ULM-6894-1.2	Pentachlorophenol (unlabeled)	C <sub>6</sub> Cl <sub>5</sub> OH	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-8505-1.2	Perfluorooctanesulfonate (PFOS), sodium salt ( <sup>13</sup> C <sub>8</sub> , 99%)	*C <sub>8</sub> F <sub>17</sub> NaO <sub>3</sub> S	50 µg/mL in methanol	1.2 mL	¥143,000
ULM-9001-1.2	Perfluorooctanesulfonate (PFOS), sodium salt (unlabeled)	C <sub>8</sub> F <sub>17</sub> NaO <sub>3</sub> S	50 µg/mL in methanol	1.2 mL	¥29,000
CLM-8005-1.2	Perfluorooctanoic acid (PFOA) ( <sup>13</sup> C <sub>8</sub> , 99%)	*CF <sub>3</sub> (*CF <sub>2</sub> ) <sub>6</sub> *COOH	50 µg/mL in methanol	1.2 mL	¥149,000
ULM-7451-1.2	Perfluorooctanoic acid (PFOA) (unlabeled) (90:10 straight:branched isomers) CP 96%	CF <sub>3</sub> (CF <sub>2</sub> ) <sub>6</sub> COOH	50 µg/mL in methanol	1.2 mL	¥29,000
CLM-7322-1.2	<i>cis</i> -Permethrin (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>15</sub> H <sub>20</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥71,000
ULM-8526-1.2	<i>cis</i> -Permethrin (unlabeled)	C <sub>21</sub> H <sub>20</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥23,000
CLM-7323-1.2	<i>trans</i> -Permethrin (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>15</sub> H <sub>20</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥71,000
ULM-8527-1.2	<i>trans</i> -Permethrin (unlabeled)	C <sub>21</sub> H <sub>20</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥23,000
CLM-2451-1.2	Phenanthrene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>8</sub> H <sub>10</sub>	100 µg/mL in nonane	1.2 mL	¥173,000
DLM-371-1.2	Phenanthrene (D <sub>10</sub> , 98%)	C <sub>14</sub> D <sub>10</sub>	200 µg/mL in isooctane	1.2 mL	¥30,000
ULM-7427-1.2	Phenanthrene (unlabeled)	C <sub>14</sub> H <sub>10</sub>	200 µg/mL in isooctane	1.2 mL	¥23,000
DLM-695-1	Phenol (ring-D <sub>5</sub> , 98%)	C <sub>6</sub> D <sub>5</sub> OH	neat	1 g	¥27,000
DLM-7141-1.2	Propoxur (isopropyl-D <sub>7</sub> , 98%)	C <sub>11</sub> D <sub>7</sub> H <sub>8</sub> NO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
ULM-9765-1.2	Propoxur (unlabeled)	C <sub>11</sub> H <sub>15</sub> NO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
CLM-3739-1.2	Simazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>4</sub> H <sub>12</sub> ClN <sub>5</sub>	100 µg/mL in methanol	1.2 mL	¥188,000
CLM-4694-1.2	Tetrabromobisphenol A (ring- <sup>13</sup> C <sub>12</sub> , 99%)	(*C <sub>6</sub> Br <sub>2</sub> H <sub>2</sub> OH) <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub>	50 µg/mL in methanol	1.2 mL	¥119,000
ULM-8734-1.2	Tetrabromobisphenol A (unlabeled)	(C <sub>6</sub> Br <sub>2</sub> H <sub>2</sub> OH) <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub>	50 µg/mL in methanol	1.2 mL	¥38,000
ULM-8734-T-1.2			50 µg/mL in toluene	1.2 mL	お問い合わせ
ED-900	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin ( <sup>13</sup> C <sub>12</sub> , 99%)	(*C <sub>6</sub> H <sub>2</sub> Cl <sub>2</sub> ) <sub>2</sub> O <sub>2</sub>	50 µg/mL in nonane	1.2 mL	¥278,000
ED-901	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin (unlabeled)	(C <sub>6</sub> H <sub>2</sub> Cl <sub>2</sub> ) <sub>2</sub> O <sub>2</sub>	50 µg/mL in nonane	4 × 1.2 mL	¥83,000
DLM-7136-1.2	Tributyltin chloride (D <sub>27</sub> , 98%)	C <sub>12</sub> D <sub>27</sub> ClSn	100 µg/mL in MeCl	1.2 mL	¥105,000
ULM-8061-1.2	Tributyltin chloride (unlabeled)	C <sub>12</sub> H <sub>27</sub> ClSn	100 µg/mL in MeCl	1.2 mL	¥38,000
CLM-4551-1.2	2,4,5-Trichlorophenoxyacetic acid (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>2</sub> H <sub>5</sub> Cl <sub>3</sub> O <sub>3</sub>	100 µg/mL in MeCl	1.2 mL	¥119,000
ULM-7213-1.2	2,4,5-Trichlorophenoxyacetic acid (unlabeled)	C <sub>8</sub> H <sub>5</sub> Cl <sub>3</sub> O <sub>3</sub>	100 µg/mL in MeCl	1.2 mL	¥29,000
CLM-9049-1.2	3,5,6-Trichloro-2-pyridinol (TCPY) (4,5,6- <sup>13</sup> C <sub>3</sub> , 99%) CP 97%	*C <sub>3</sub> C <sub>2</sub> H <sub>2</sub> Cl <sub>3</sub> NO	100 µg/mL in acetonitrile	1.2 mL	¥105,000
ULM-9204-1.2	3,5,6-Trichloro-2-pyridinol (TCPY) (unlabeled)	C <sub>5</sub> H <sub>2</sub> Cl <sub>3</sub> NO	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-6779-1.2	Triclosan (2',4,4'-Trichloro-2-hydroxydiphenyl ether) ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>7</sub> Cl <sub>3</sub> O <sub>2</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
CLM-6779-MT-1.2			100 µg/mL in MTBE	1.2 mL	¥149,000
ULM-6935-1.2	Triclosan (2',4,4'-Trichloro-2-hydroxydiphenyl ether) (unlabeled)	C <sub>12</sub> H <sub>7</sub> Cl <sub>3</sub> O <sub>2</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
ULM-6935-MT-1.2			100 µg/mL in MTBE	1.2 mL	¥38,000
DLM-4479-1.2	Trifluralin (di- <i>n</i> -propyl-D <sub>14</sub> , 98%)	C <sub>13</sub> D <sub>14</sub> H <sub>2</sub> F <sub>3</sub> N <sub>3</sub> O <sub>4</sub>	100 µg/mL in nonane	1.2 mL	¥98,000
DLM-4444-0.1	Urethane (ethyl carbamate) (ethyl-D <sub>5</sub> , 98%)	C <sub>3</sub> D <sub>5</sub> H <sub>2</sub> NO <sub>2</sub>	neat	0.1 g	¥57,000
DLM-167-C	Vinyl chloride (D <sub>3</sub> , 98%)	C <sub>2</sub> D <sub>3</sub> Cl	100 µg/mL in methanol-OD	20 mL	¥540,000
ULM-8224-1.2	Vinyl chloride (unlabeled)	C <sub>2</sub> H <sub>3</sub> Cl	50 µg/mL in methanol	1.2 mL	¥15,000

## Industrial Chemical Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-4674-1.2	<i>n</i> -Butylbenzene (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>5</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
CLM-4695-1.2	1,2-Dibromo-3-chloropropane ( <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> H <sub>5</sub> Br <sub>2</sub> Cl	100 µg/mL in methanol	1.2 mL	¥119,000
CLM-6144-1.2	1,1-Dichloroethylene (random- <sup>13</sup> C, 99%) (stabilized with hydroquinone)	*CCH <sub>2</sub> Cl <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-7214-1.2	1,1-Dichloroethylene (unlabeled) (stabilized with hydroquinone)	CCH <sub>2</sub> Cl <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥29,000
CLM-6145-1.2	1,2-Dichloroethylene ( <sup>13</sup> C <sub>1</sub> , 99%) ( <i>cis/trans</i> mix) (stabilized with hydroquinone)	*CCH <sub>2</sub> Cl <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-7215-1.2	1,2-Dichloroethylene (unlabeled) ( <i>cis/trans</i> mix) (stabilized with hydroquinone)	CCH <sub>2</sub> Cl <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥29,000
CLM-1305-1.2	2,4-Dichlorophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>3</sub> Cl <sub>2</sub> OH	100 µg/mL in nonane	1.2 mL	¥105,000
CLM-3374-1.2	Epichlorohydrin ( <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> H <sub>5</sub> ClO	100 µg/mL in acetonitrile	1.2 mL	¥149,000
DLM-1008-1	Epichlorohydrin (D <sub>5</sub> , 98%)	ClCD <sub>2</sub> CDCl <sub>2</sub> O	neat	1 g	¥101,000
ULM-7403-1.2	Epichlorohydrin (unlabeled)	ClCH <sub>2</sub> CHCH <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥29,000
CLM-8008-1.2	Hexachlorophene ( <sup>13</sup> C <sub>13</sub> , 99%)	*CH <sub>2</sub> [*C <sub>6</sub> H(Cl) <sub>3</sub> OH] <sub>2</sub>	50 µg/mL in methanol	1.2 mL	¥135,000
ULM-8009-1.2	Hexachlorophene (unlabeled)	CH <sub>2</sub> [C <sub>6</sub> H(Cl) <sub>3</sub> OH] <sub>2</sub>	50 µg/mL in methanol	1.2 mL	¥38,000
CLM-4745-1.2	4-Hydroxybenzoic acid (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>4</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥98,000
ULM-8251-1.2	4-Hydroxybenzoic acid (unlabeled)	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	1 mg/mL in methanol	1.2 mL	¥29,000
CLM-8792-1.2	Sodium <i>bis</i> (2-ethylhexyl) sulfosuccinate (DOSS) (fumaric acid- <sup>13</sup> C <sub>4</sub> , 99%)	*C <sub>4</sub> C <sub>16</sub> H <sub>37</sub> NaO <sub>7</sub> S	100 µg/mL in acetonitrile	1.2 mL	¥149,000
ULM-8807-1.2	Sodium <i>bis</i> (2-ethylhexyl) sulfosuccinate (DOSS) (unlabeled)	C <sub>20</sub> H <sub>37</sub> NaO <sub>7</sub> S	100 µg/mL in acetonitrile	1.2 mL	¥29,000
CLM-8006-1.2	Tetrachlorobisphenol A (ring- <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> C <sub>3</sub> H <sub>12</sub> Cl <sub>4</sub> O <sub>2</sub>	50 µg/mL in methanol	1.2 mL	¥119,000
ULM-7606-1.2	Tetrachlorobisphenol A (unlabeled)	C <sub>12</sub> C <sub>3</sub> H <sub>12</sub> Cl <sub>4</sub> O <sub>2</sub>	50 µg/mL in methanol	1.2 mL	¥36,000
DLM-9612-1.2	Tetradecyl (tri- <i>n</i> -butyl) phosphonium bromide (D <sub>29</sub> , 98%)	C <sub>26</sub> H <sub>27</sub> D <sub>29</sub> PBr	100 µg/mL in acetone:water (75:25)	1.2 mL	お問い合わせ
ULM-9609-1.2	Tetradecyl (tri- <i>n</i> -butyl) phosphonium chloride (unlabeled)	C <sub>26</sub> H <sub>56</sub> ClP	100 µg/mL in acetone:water (75:25)	1.2 mL	お問い合わせ
DLM-7136-1.2	Tributyltin chloride (D <sub>27</sub> , 98%)	(C <sub>4</sub> D <sub>9</sub> ) <sub>3</sub> ClSn	100 µg/mL in MeCl-D <sub>2</sub>	1.2 mL	¥105,000
ULM-8061-1.2	Tributyltin chloride (unlabeled)	(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> ClSn	100 µg/mL in MeCl	1.2 mL	¥38,000
CLM-6185-1.2	1,1,1-Trichloroethane (2- <sup>13</sup> C, 99%)	*CCH <sub>3</sub> Cl <sub>3</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-2080-1.2	1,2,3-Trichloropropane (D <sub>5</sub> , 98%) CP 95%	CD <sub>2</sub> ClCDCICD <sub>2</sub> Cl	100 µg/mL in methanol	1.2 mL	¥53,000
ULM-6911-1.2	1,2,3-Trichloropropane (unlabeled)	CH <sub>2</sub> ClCHClCH <sub>2</sub> Cl	1 mg/mL in methanol	1.2 mL	¥38,000
CLM-9095	Trimethylolpropane phosphate (3,4,9,10- <sup>13</sup> C <sub>4</sub> , 99%) CP 95%	*C <sub>4</sub> C <sub>2</sub> H <sub>11</sub> O <sub>4</sub> P			お問い合わせ
ULM-9096	Trimethylolpropane phosphate (unlabeled) CP 95%	C <sub>6</sub> H <sub>11</sub> O <sub>4</sub> P			お問い合わせ
DLM-167-C	Vinyl chloride (D <sub>3</sub> , 98%)	C <sub>2</sub> D <sub>3</sub> Cl	100 µg/mL in methanol-OD	20 mL	¥540,000
ULM-8224-1.2	Vinyl chloride (unlabeled)	C <sub>2</sub> H <sub>3</sub> Cl	50 µg/mL in methanol	1.2 mL	¥15,000

## Chlorinated Cyclodiene Pesticide Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-4725-1.2	Aldrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7441-1.2	Aldrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-8087-1.2	<i>cis</i> -Chlordane (α) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2419-1.2	<i>cis</i> -Chlordane (α) (unlabeled)	C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2419-25			neat	25 mg	お問い合わせ
CLM-4792-1.2	<i>trans</i> -Chlordane (γ) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2420-1.2	<i>trans</i> -Chlordane (γ) (unlabeled)	C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2420-25			neat	25 mg	お問い合わせ
CLM-4814-1.2	Chlordecone (kepone) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2301-1.2	Chlordecone (kepone) (unlabeled)	C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2301-0.1			neat	0.1 g	お問い合わせ
CLM-4758-1.2	Chlordene ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7443-1.2	Chlordene (unlabeled)	C <sub>10</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4726-1.2	Dieldrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7230-1.2	Dieldrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-6025-1.2	Endosulfan I ( <sup>13</sup> C <sub>9</sub> , 99%)	*C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥293,000
DLM-2862-1.2	Endosulfan I (D <sub>4</sub> , 97%)	C <sub>9</sub> D <sub>4</sub> H <sub>2</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥77,000
ULM-7447-1.2	Endosulfan I (unlabeled)	C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-6026-1.2	Endosulfan II ( <sup>13</sup> C <sub>9</sub> , 99%)	*C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7448-1.2	Endosulfan II (unlabeled)	C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-7531-1.2	Endosulfan sulfate ( <sup>13</sup> C <sub>9</sub> , 99%)	*C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>4</sub> S	100 µg/mL in nonane	1.2 mL	¥209,000
ULM-7990-1.2	Endosulfan sulfate (unlabeled)	C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>4</sub> S	100 µg/mL in nonane	1.2 mL	¥38,000
CLM-4782-1.2	Endrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7444-1.2	Endrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4815-1.2	Endrin aldehyde ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>10</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-4815-50			neat	50 µg	¥149,000
ULM-8958-1.2	Endrin aldehyde (unlabeled)	C <sub>12</sub> H <sub>10</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-8958-50			neat	50 µg	¥23,000
CLM-4816-1.2	Endrin ketone ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-4816-50			neat	50 µg	¥149,000
ULM-8956-1.2	Endrin ketone (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-8956-50			neat	50 µg	¥23,000
CLM-4759-1.2	Heptachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2424-1.2	Heptachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2424-0.1			neat	0.1 g	¥29,000
CLM-4734-1.2	<i>cis</i> -Heptachlor epoxide ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2425-1.2	<i>cis</i> -Heptachlor epoxide (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2425-0.1			neat	0.1 g	¥53,000
ULM-7869-1.2	<i>trans</i> -Heptachlor epoxide (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4727-1.2	Isodrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7442-1.2	Isodrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4814-1.2	Kepone (chlordecone) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2301-1.2	Kepone (chlordecone) (unlabeled)	C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2301-0.1			neat	0.1 g	お問い合わせ
CLM-4813-1.2	Mirex ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> Cl <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-2078-1	Mirex ( <sup>13</sup> C <sub>8</sub> , 99%)	*C <sub>8</sub> C <sub>2</sub> Cl <sub>12</sub>	200 µg/mL in toluene	1 mL	¥167,000
ULM-2427-1.2	Mirex (unlabeled)	C <sub>10</sub> Cl <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4811-1.2	<i>cis</i> -Nonachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7445-1.2	<i>cis</i> -Nonachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4735-1.2	<i>trans</i> -Nonachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7229-1.2	<i>trans</i> -Nonachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4729-1.2	Oxychlordane ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>4</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-6139-1.2	Oxychlordane (unlabeled)	C <sub>10</sub> H <sub>4</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-6139-SM-1.2			100 µg/mL in methanol	1.2 mL	¥29,000



## Organochlorine (OC) Pesticide and Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-4725-1.2	Aldrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7441-1.2	Aldrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-2482-1.2	α-HCH (α-BHC) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥155,000
ULM-7232-1.2	α-HCH (α-BHC) (unlabeled)	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-3623-1.2	β-HCH (β-BHC) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	50 µg/mL in nonane	2 × 1.2 mL	¥158,000
ULM-6132-1.2	β-HCH (β-BHC) (unlabeled)	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	50 µg/mL in nonane	2 × 1.2 mL	¥29,000
CDLM-624-1.2	γ-HCH (γ-BHC) (lindane) ( <sup>13</sup> C <sub>6</sub> , 99%; D <sub>6</sub> , 99%)	*C <sub>6</sub> D <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥183,000
CLM-1282-1.2	γ-HCH (γ-BHC) (lindane) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥153,000
ULM-6133-1.2	γ-HCH (γ-BHC) (lindane) (unlabeled)	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-3648-1.2	δ-HCH (δ-BHC) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥158,000
ULM-7233-1.2	δ-HCH (δ-BHC) (unlabeled)	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-8087-1.2	cis-Chlordane (α) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2419-1.2	cis-Chlordane (α) (unlabeled)	C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane neat	1.2 mL 25 mg	¥29,000 お問い合わせ
ULM-2419-25					
CLM-4792-1.2	trans-Chlordane (γ) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2420-1.2	trans-Chlordane (γ) (unlabeled)	C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane neat	1.2 mL 25 mg	¥29,000 お問い合わせ
ULM-2420-25					
CLM-4814-1.2	Chlordecone (kepone) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2301-1.2	Chlordecone (kepone) (unlabeled)	C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane neat	1.2 mL 0.1 g	¥29,000 お問い合わせ
ULM-2301-0.1					
CLM-4758-1.2	Chlordene ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7443-1.2	Chlordene (unlabeled)	C <sub>10</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-6999-1.2	2,4'-DDD (ring- <sup>13</sup> C <sub>12</sub> , 99%) [(o,p'-Dichlorodiphenyl) dichloroethane]	*C <sub>12</sub> C <sub>2</sub> H <sub>10</sub> Cl <sub>4</sub>	50 µg/mL in nonane	1.2 mL	¥128,000
ULM-7450-1.2	2,4'-DDD (unlabeled) [(o,p'-dichlorodiphenyl) dichloroethane]	C <sub>14</sub> H <sub>10</sub> Cl <sub>4</sub>	50 µg/mL in nonane	1.2 mL	¥29,000
CLM-7100-1.2	4,4'-DDD (ring- <sup>13</sup> C <sub>12</sub> , 99%) [(p,p'-dichlorodiphenyl) dichloroethane]	*C <sub>12</sub> C <sub>2</sub> H <sub>10</sub> Cl <sub>4</sub>	100 µg/mL in nonane	1.2 mL	¥135,000
DLM-3533-1.2	4,4'-DDD (ring-D <sub>8</sub> , 98%) [(p,p'-dichlorodiphenyl) dichloroethane]	C <sub>14</sub> D <sub>8</sub> H <sub>2</sub> Cl <sub>4</sub>	100 µg/mL in nonane	1.2 mL	¥105,000
ULM-7216-1.2	4,4'-DDD (unlabeled) [(p,p'-dichlorodiphenyl) dichloroethane]	C <sub>14</sub> H <sub>10</sub> Cl <sub>4</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4693-1.2	2,4'-DDE (ring- <sup>13</sup> C <sub>12</sub> , 99%) [(o,p'-dichlorodiphenyl) dichloroethylene]	(Cl*C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> C=CCl <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥123,000
ULM-6251-1.2	2,4'-DDE (unlabeled) [(o,p'-dichlorodiphenyl) dichloroethylene]	C <sub>14</sub> H <sub>8</sub> Cl <sub>4</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-1627-1.2	4,4'-DDE (ring- <sup>13</sup> C <sub>12</sub> , 99%) [(p,p'-dichlorodiphenyl) dichloroethylene]	(Cl*C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> C=CCl <sub>2</sub>	100 µg/mL in nonane neat	1.2 mL 5 mg	¥108,000 ¥158,000
CLM-1627-5					
ULM-6137-1.2	4,4'-DDE (unlabeled) [(p,p'-dichlorodiphenyl) dichloroethylene]	(ClC <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> C=CCl <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4692-1.2	2,4'-DDT (ring- <sup>13</sup> C <sub>12</sub> , 99%) [(o,p'-dichlorodiphenyl) trichloroethane]	(Cl*C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥123,000
ULM-6134-1.2	2,4'-DDT (unlabeled) [(o,p'-dichlorodiphenyl) trichloroethane]	ClC <sub>6</sub> H <sub>4</sub> CH(CCl <sub>3</sub> )C <sub>6</sub> H <sub>4</sub> Cl	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-1281-1.2	4,4'-DDT (ring- <sup>13</sup> C <sub>12</sub> , 99%) [(p,p'-dichlorodiphenyl) trichloroethane]	(Cl*C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane neat	1.2 mL 5 mg	¥108,000 ¥158,000
CLM-1281-5					
ULM-6135-1.2	4,4'-DDT (unlabeled) [(p,p'-dichlorodiphenyl) trichloroethane]	(ClC <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-816-1.2	2,6-Dichloro-4-nitroaniline (ring- <sup>13</sup> C <sub>6</sub> , 99%)	Cl <sub>2</sub> *C <sub>6</sub> H <sub>2</sub> (NO <sub>2</sub> )NH <sub>2</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
CLM-4726-1.2	Dieldrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7230-1.2	Dieldrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-6025-1.2	Endosulfan I ( <sup>13</sup> C <sub>9</sub> , 99%)	*C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥293,000
DLM-2862-1.2	Endosulfan I (D <sub>4</sub> , 97%)	C <sub>9</sub> D <sub>4</sub> H <sub>2</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥77,000
ULM-7447-1.2	Endosulfan I (unlabeled)	C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-6026-1.2	Endosulfan II ( <sup>13</sup> C <sub>9</sub> , 99%)	*C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7448-1.2	Endosulfan II (unlabeled)	C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-7531-1.2	Endosulfan sulfate ( <sup>13</sup> C <sub>9</sub> , 99%)	*C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>4</sub> S	100 µg/mL in nonane	1.2 mL	¥209,000
ULM-7990-1.2	Endosulfan sulfate (unlabeled)	C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>4</sub> S	100 µg/mL in nonane	1.2 mL	¥38,000

## Organochlorine (OC) Pesticide and Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-4782-1.2	Endrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7444-1.2	Endrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4815-1.2	Endrin aldehyde ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>10</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-4815-50			neat	50 µg	¥149,000
ULM-8958-1.2	Endrin aldehyde (unlabeled)	C <sub>12</sub> H <sub>10</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-8958-50			neat	50 µg	¥23,000
CLM-4816-1.2	Endrin ketone ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-4816-50			neat	50 µg	¥149,000
ULM-8956-1.2	Endrin ketone (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-8956-50			neat	50 µg	¥23,000
CLM-4759-1.2	Heptachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2424-1.2	Heptachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2424-0.1			neat	0.1 g	¥29,000
CLM-4734-1.2	<i>cis</i> -Heptachlor epoxide ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2425-1.2	<i>cis</i> -Heptachlor epoxide (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2425-0.1			neat	0.1 g	¥53,000
ULM-7869-1.2	<i>trans</i> -Heptachlor epoxide (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-351-1.2	Hexachlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥48,000
ULM-6130-1.2	Hexachlorobenzene (unlabeled)	C <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4727-1.2	Isodrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7442-1.2	Isodrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4814-1.2	Kepone (chlordecone) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2301-1.2	Kepone (chlordecone) (unlabeled)	C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2301-0.1			neat	0.1 g	お問い合わせ
CLM-4683-1.2	Methoxychlor (ring- <sup>13</sup> C <sub>12</sub> , 99%)	(CH <sub>3</sub> O* <sup>13</sup> C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥113,000
ULM-7440-1.2	Methoxychlor (unlabeled)	(CH <sub>3</sub> OC <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4813-1.2	Mirex ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> Cl <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-2078-1	Mirex ( <sup>13</sup> C <sub>8</sub> , 99%)	*C <sub>8</sub> C <sub>2</sub> Cl <sub>12</sub>	100 µg/mL in toluene	1 mL	¥167,000
ULM-2427-1.2	Mirex (unlabeled)	C <sub>10</sub> Cl <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2427-0.1			neat	0.1 g	¥53,000
CLM-4811-1.2	<i>cis</i> -Nonachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7445-1.2	<i>cis</i> -Nonachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4735-1.2	<i>trans</i> -Nonachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7229-1.2	<i>trans</i> -Nonachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4729-1.2	Oxychlorane ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>4</sub> Cl <sub>8</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-6139-1.2	Oxychlorane (unlabeled)	C <sub>10</sub> H <sub>4</sub> Cl <sub>8</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-6139-SM-1.2			100 µg/mL in methanol	1.2 mL	¥29,000

## Organophosphate (OP) Pesticide and Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
DLM-6000-1.2	Acephate (D <sub>6</sub> , 98%)	C <sub>4</sub> D <sub>6</sub> H <sub>4</sub> NO <sub>3</sub> PS	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	¥113,000
ULM-7263-1.2	Acephate (unlabeled)	C <sub>4</sub> H <sub>10</sub> NO <sub>3</sub> PS	100 µg/mL in acetonitrile	1.2 mL	¥29,000
CDNLM-6786-1.2	Aminomethylphosphonic acid (AMPA)	*CH <sub>4</sub> D <sub>2</sub> *NO <sub>3</sub> P	100 µg/mL in H <sub>2</sub> O	1.2 mL	¥149,000
CDNLM-6786-10	( <sup>13</sup> C, 99%; <sup>15</sup> N, 98%, methylene-D <sub>2</sub> , 98%)		100 µg/mL in H <sub>2</sub> O	10 mL	お問い合わせ
ULM-9399-1.2	Azinphos-methyl (unlabeled)	C <sub>10</sub> PN <sub>3</sub> H <sub>12</sub> S <sub>2</sub> O <sub>3</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
DLM-7152	Bensulide (isopropoxy-D <sub>14</sub> , 98%)	C <sub>14</sub> D <sub>14</sub> H <sub>10</sub> NO <sub>4</sub> PS <sub>3</sub>			お問い合わせ
DLM-4360-1.2	Chlorpyrifos (diethyl-D <sub>10</sub> , 99%)	C <sub>9</sub> D <sub>10</sub> HCl <sub>3</sub> NO <sub>3</sub> PS	100 µg/mL in nonane	1.2 mL	¥105,000
ULM-7489-1.2	Chlorpyrifos (unlabeled)	C <sub>9</sub> H <sub>11</sub> Cl <sub>3</sub> NO <sub>3</sub> PS	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-7153-1.2	Chlorpyrifos-methyl (dimethyl-D <sub>6</sub> , 98%)	C <sub>7</sub> HCl <sub>3</sub> D <sub>6</sub> NO <sub>3</sub> PS	100 µg/mL in nonane	1.2 mL	お問い合わせ
ULM-9538-1.2	Chlorpyrifos-methyl (unlabeled)	C <sub>7</sub> H <sub>7</sub> Cl <sub>3</sub> NO <sub>3</sub> PS	100 µg/mL in nonane	1.2 mL	お問い合わせ
DLM-1148-1.2	Diazinon (diethyl-D <sub>10</sub> , 98%)	C <sub>12</sub> H <sub>11</sub> D <sub>10</sub> N <sub>2</sub> O <sub>3</sub> PS	100 µg/mL in nonane	1.2 mL	¥105,000
DLM-1148-5			neat	5 mg	¥135,000
DLM-1148-A-1.2			100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-6575-A-1.2	Diazinon (unlabeled)	C <sub>12</sub> H <sub>21</sub> N <sub>2</sub> O <sub>3</sub> PS	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-6575-S-10X-1.2			1000 µg/mL in nonane	1.2 mL	¥38,000
DLM-2829-0.01	Dichlorvos (dimethyl-D <sub>6</sub> , 98%)	C <sub>4</sub> D <sub>6</sub> HCl <sub>2</sub> O <sub>4</sub> P	neat	10 mg	¥105,000
ULM-7217-1.2	Dichlorvos (unlabeled)	(H <sub>3</sub> CO) <sub>2</sub> POOCH=CCl <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-4851-M-1.2	O,O-Diethyl phosphate, potassium salt (DEP) (diethyl-D <sub>10</sub> , 98%)	C <sub>4</sub> D <sub>10</sub> KO <sub>4</sub> P	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-9287-M-1.2	O,O-Diethyl phosphate, potassium salt (DEP) (unlabeled)	C <sub>4</sub> H <sub>10</sub> KO <sub>4</sub> P	100 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-4852-1.2	O,O-Diethyl thiophosphate, potassium salt (DETP) (diethyl-D <sub>10</sub> , 98%)	C <sub>4</sub> D <sub>10</sub> KO <sub>3</sub> PS	100 µg/mL in methanol	1.2 mL	¥149,000
ERD-119	O,O-Diethyl thiophosphate, potassium salt (DETP) (unlabeled)	C <sub>4</sub> H <sub>10</sub> KO <sub>3</sub> PS	1000 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-9003-1.2	O,O-Diethyl dithiophosphate, potassium salt (DEDTP) (diethyl-D <sub>10</sub> , 98%)	C <sub>4</sub> D <sub>10</sub> KO <sub>2</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-9002-1.2	O,O-Diethyl dithiophosphate, potassium salt (DEDTP) (unlabeled)	C <sub>4</sub> H <sub>10</sub> KO <sub>2</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9898-1.2	Diisopropyl methylphosphonate (unlabeled)	C <sub>7</sub> H <sub>17</sub> O <sub>3</sub> P	1000 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-7151-1.2	Dimethoate (O,O-dimethyl-D <sub>6</sub> , 98%)	C <sub>5</sub> D <sub>6</sub> H <sub>6</sub> NO <sub>3</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥113,000
ULM-7972-1.2	Dimethoate (unlabeled)	C <sub>5</sub> H <sub>12</sub> NO <sub>3</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
DLM-8868-1.2	O,O-Dimethyl phosphate, potassium salt (DMP) (dimethyl-D <sub>6</sub> , 98%)	C <sub>2</sub> D <sub>6</sub> KO <sub>4</sub> P	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-8867-1.2	O,O-Dimethyl phosphate, potassium salt (DMP) (unlabeled)	C <sub>2</sub> H <sub>6</sub> KO <sub>3</sub> PS	100 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-8904-1.2	O,O-Dimethyl thiophosphate, potassium salt (DMTP) (dimethyl-D <sub>6</sub> , 98%) CP 97%	C <sub>2</sub> D <sub>6</sub> KO <sub>3</sub> PS	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-8905-1.2	O,O-Dimethyl thiophosphate, potassium salt (DMTP) (unlabeled) CP 97%	C <sub>2</sub> H <sub>6</sub> KO <sub>3</sub> PS	1000 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-4541-M-1.2	O,O-Dimethyl dithiophosphate, potassium salt (DMDTP) (dimethyl-D <sub>6</sub> , 98%)	C <sub>2</sub> D <sub>6</sub> KO <sub>2</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-9004-1.2	O,O-Dimethyl dithiophosphate, potassium salt (DMDTP) (unlabeled)	C <sub>2</sub> H <sub>6</sub> KO <sub>2</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9899-1.2	Dipinacolyl methylphosphonate (unlabeled)	C <sub>7</sub> H <sub>17</sub> O <sub>3</sub> P	1000 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-7183	Disulfoton (O,O-diethyl-D <sub>10</sub> , 98%)	C <sub>8</sub> D <sub>10</sub> H <sub>6</sub> O <sub>2</sub> PS <sub>3</sub>			お問い合わせ
ULM-6091-1.2	Ethyl dimethylamidophosphate, sodium salt (unlabeled)	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub> PNa	1000 µg/mL in methanol	1.2 mL	¥38,000
DLM-6098-1.2	Ethyl hydrogen methylphosphonate (ethyl-D <sub>5</sub> , 98%)	C <sub>3</sub> H <sub>4</sub> D <sub>5</sub> O <sub>3</sub> P	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-6099-1.2	Ethyl methylphosphonic acid (unlabeled)	C <sub>3</sub> H <sub>9</sub> O <sub>3</sub> P	1000 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-2878-0.01	Fenitrothion (O,O-dimethyl-D <sub>6</sub> , 98%)	C <sub>9</sub> D <sub>6</sub> H <sub>6</sub> NO <sub>5</sub> PS	neat	10 mg	¥128,000
CLM-4545-1.2	Fonofos (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>15</sub> OPS <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥113,000
ULM-6694-1.2	Fonofos (unlabeled)	CH <sub>2</sub> CH <sub>3</sub> P(S)(O)CH <sub>2</sub> CH <sub>3</sub> (SC <sub>6</sub> H <sub>5</sub> )	100 µg/mL in nonane	1.2 mL	¥29,000



## Organophosphate (OP) Pesticide and Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CNLM-4666-1.2	Glyphosate (2- <sup>13</sup> C, 99%; <sup>15</sup> N, 98%+) CP 96%	HOO*CCH <sub>2</sub> *NHCH <sub>2</sub> PO(OH) <sub>2</sub>	100 µg/mL in water	1.2 mL	¥116,000
CNLM-4666-10			100 µg/mL in water	10 mL	¥383,000
CNLM-4666-10X-1.2			1000 µg/mL in water	1.2 mL	¥375,000
ULM-6876-1.2	Glyphosate (unlabeled)	HOOCCH <sub>2</sub> NHCH <sub>2</sub> PO(OH) <sub>2</sub>	100 µg/mL in water	1.2 mL	¥29,000
ULM-6093-1.2	Isopropyl methylphosphonic acid (unlabeled)	C <sub>4</sub> H <sub>11</sub> O <sub>3</sub> P	1000 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-4476-1.2	Malathion (D <sub>10</sub> , 99%)	C <sub>10</sub> D <sub>10</sub> H <sub>9</sub> O <sub>6</sub> PS <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥105,000
ULM-8122-1.2	Malathion (unlabeled)	C <sub>10</sub> H <sub>15</sub> O <sub>6</sub> PS <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-9050-1.2	Malathion diacid ( <sup>13</sup> C <sub>4</sub> , 99%) CP 97%	*C <sub>6</sub> H <sub>11</sub> O <sub>6</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9073-1.2	Malathion diacid (unlabeled)	C <sub>4</sub> C <sub>2</sub> H <sub>11</sub> O <sub>6</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-7149-1.2	Methamidophos (dimethyl-D <sub>6</sub> , 98%)	C <sub>2</sub> D <sub>6</sub> H <sub>2</sub> NO <sub>2</sub> PS	100 µg/mL in dioxane	1.2 mL	¥149,000
ULM-8872-1.2	Methamidophos (unlabeled)	C <sub>2</sub> H <sub>8</sub> NO <sub>2</sub> PS	100 µg/mL in dioxane	1.2 mL	¥29,000
CDLM-6100-1.2	Methylphosphonic acid ( <sup>13</sup> C, 99%; methyl-D <sub>3</sub> , 98%)	*CD <sub>3</sub> H <sub>2</sub> O <sub>3</sub> P	100 µg/mL in methanol	1.2 mL	¥149,000
DLM-6196-1.2	Methylphosphonic acid (methyl-D <sub>3</sub> , 98%)	CD <sub>3</sub> H <sub>2</sub> O <sub>3</sub> P	100 µg/mL in methanol	1.2 mL	¥149,000
ERM-038	Methylphosphonic acid (unlabeled)	CH <sub>3</sub> P(O)(OH) <sub>2</sub>	1000 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-6620-1.2	Methylphosphonic acid, mono-(1,2,2-trimethylpropyl) ester (trimethylpropyl- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> CH <sub>7</sub> O <sub>3</sub> P	100 µg/mL in methanol	1.2 mL	¥149,000
DLM-7150-1.2	Oxydemeton methyl (O,O-dimethyl-D <sub>6</sub> , 98%)	C <sub>6</sub> D <sub>6</sub> H <sub>9</sub> O <sub>4</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥113,000
ULM-8579-1.2	Oxydemeton methyl (unlabeled)	C <sub>6</sub> H <sub>15</sub> O <sub>4</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
DLM-2970-1.2	Parathion (diethyl-D <sub>10</sub> , 98%)	NO <sub>2</sub> (C <sub>6</sub> H <sub>4</sub> )OP(=S)(OC <sub>2</sub> D <sub>5</sub> ) <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥56,000
ULM-8144-1.2	Parathion (unlabeled)	NO <sub>2</sub> (C <sub>6</sub> H <sub>4</sub> )OP(=S)(OC <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4544-1.2	Phorate (diethoxy- <sup>13</sup> C <sub>4</sub> , 99%)	(*C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> P(S)SCH <sub>2</sub> SC <sub>2</sub> H <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥113,000
ULM-7567-1.2	Phorate (unlabeled)	(C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> P(S)SCH <sub>2</sub> SC <sub>2</sub> H <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
DLM-4667-1.2	Phosmet (dimethyl-D <sub>6</sub> , 98%)	C <sub>11</sub> D <sub>6</sub> H <sub>6</sub> NO <sub>4</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥113,000
ULM-8454-1.2	Phosmet (unlabeled)	C <sub>11</sub> H <sub>12</sub> NO <sub>4</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
CLM-4543	Terbufos (diethoxy- <sup>13</sup> C <sub>4</sub> , 99%)	C(CH <sub>3</sub> ) <sub>2</sub> SCH <sub>2</sub> SP(S)(O*CH <sub>2</sub> *CH <sub>3</sub> ) <sub>2</sub>			お問い合わせ
CLM-9049-1.2	3,5,6-Trichloro-2-pyridinol (TCPY) (4,5,6- <sup>13</sup> C <sub>3</sub> , 99%) CP 97%	*C <sub>3</sub> C <sub>2</sub> H <sub>2</sub> Cl <sub>3</sub> NO	100 µg/mL in acetonitrile	1.2 mL	¥105,000
ULM-9204-1.2	3,5,6-Trichloro-2-pyridinol (TCPY) (unlabeled)	C <sub>3</sub> H <sub>2</sub> Cl <sub>3</sub> NO	100 µg/mL in acetonitrile	1.2 mL	¥38,000

## Neonicotinoid Insecticide and Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-9653-1.2	Acetamiprid (pyridylmethyl- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>11</sub> ClN <sub>4</sub>	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-9734-1.2	Acetamiprid (unlabeled)	C <sub>10</sub> H <sub>11</sub> ClN <sub>4</sub>	100 µg/mL in methanol	1.2 mL	¥29,000
CLM-9598-1.2	6-Chloronicotinic acid ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>4</sub> ClNO <sub>2</sub>	100 µg/mL in MTBE	1.2 mL	¥149,000
ULM-9604-1.2	6-Chloronicotinic acid (unlabeled)	C <sub>6</sub> H <sub>4</sub> ClNO <sub>2</sub>	100 µg/mL in MTBE	1.2 mL	¥29,000
CNLM-9940-1.2	Clothianidin (thiazole- <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N, 98%)	*C <sub>3</sub> C <sub>3</sub> H <sub>8</sub> Cl*NN <sub>4</sub> O <sub>2</sub> S			お問い合わせ
ULM-9941-1.2	Clothianidin (unlabeled)	C <sub>6</sub> H <sub>8</sub> ClN <sub>5</sub> O <sub>2</sub> S			お問い合わせ
CLM-9594-1.2	Dinotefuran (furylmethyl- <sup>13</sup> C <sub>5</sub> , 99%)	*C <sub>5</sub> C <sub>2</sub> H <sub>14</sub> N <sub>4</sub> O <sub>3</sub>	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-9732-1.2	Dinotefuran (unlabeled)	C <sub>7</sub> H <sub>14</sub> N <sub>4</sub> O <sub>3</sub>	100 µg/mL in methanol	1.2 mL	¥29,000
DLM-8512-1.2	Imidacloprid (4,4,5,5-D <sub>4</sub> , 98%)	C <sub>9</sub> H <sub>6</sub> D <sub>4</sub> ClN <sub>5</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥113,000
ULM-8513-1.2	Imidacloprid (unlabeled)	C <sub>9</sub> H <sub>10</sub> ClN <sub>5</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥29,000
CNLM-9869-1.2	Sulfoxaflor (cyano- <sup>13</sup> C, 99%; cyano- <sup>15</sup> N, imine- <sup>15</sup> N, 98%)	*CC <sub>9</sub> H <sub>10</sub> F <sub>3</sub> *N <sub>2</sub> NOS	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9870-1.2	Sulfoxaflor (unlabeled)	C <sub>10</sub> H <sub>10</sub> F <sub>3</sub> N <sub>2</sub> NOS	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-9690-1.2	3-Tetrahydrofuroic acid ( <sup>13</sup> C <sub>5</sub> , 99%)	*C <sub>5</sub> H <sub>8</sub> O <sub>3</sub>	100 µg/mL in MTBE	1.2 mL	¥135,000
ULM-9691-1.2	3-Tetrahydrofuroic acid (unlabeled)	C <sub>5</sub> H <sub>8</sub> O <sub>3</sub>	100 µg/mL in MTBE	1.2 mL	¥29,000
CLM-9652-1.2	Thiacloprid (pyridylmethyl- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>9</sub> CIN <sub>4</sub> S	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-9733-1.2	Thiacloprid (unlabeled)	C <sub>10</sub> H <sub>9</sub> CIN <sub>4</sub> S	100 µg/mL in methanol	1.2 mL	¥29,000
CNLM-9860-1.2	Thiamethoxam (thiazole- <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N, 98%)	*C <sub>3</sub> C <sub>5</sub> H <sub>10</sub> Cl*NN <sub>4</sub> O <sub>3</sub> S			お問い合わせ
ULM-9939-1.2	Thiamethoxam (unlabeled)	C <sub>8</sub> H <sub>10</sub> ClN <sub>5</sub> O <sub>3</sub> S			お問い合わせ

## Carbamate Pesticide and Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CDLM-9820-1.2	Aldicarb ( <sup>13</sup> C <sub>2</sub> , 98%; D <sub>3</sub> , 98%)	C <sub>5</sub> *C <sub>2</sub> H <sub>11</sub> D <sub>3</sub> N <sub>2</sub> O <sub>2</sub> S	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-9823-1.2	Aldicarb (unlabeled)	C <sub>7</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> S	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-7140	Bendiocarb ( <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>8</sub> H <sub>13</sub> NO <sub>4</sub>			お問い合わせ
ULM-8638	Bendiocarb (unlabeled)	C <sub>11</sub> H <sub>13</sub> NO <sub>4</sub>			お問い合わせ
CLM-4682-1.2	Carbaryl (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥113,000
ULM-8096-1.2	Carbaryl (unlabeled)	C <sub>10</sub> H <sub>7</sub> CO <sub>2</sub> NHCH <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-1911-1.2	Carbofuran (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>15</sub> NO <sub>3</sub>	100 µg/mL in <i>p</i> -dioxane	1.2 mL	¥233,000
ULM-7419-1.2	Carbofuran (unlabeled)	C <sub>12</sub> H <sub>15</sub> NO <sub>3</sub>	100 µg/mL in <i>p</i> -dioxane	1.2 mL	¥29,000
ULM-6875-1.2	Carbofuran phenol (unlabeled)	C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	200 µg/mL in nonane	1.2 mL	¥38,000
CNLM-7148-1.2	Methomyl (acetohydroxamate- <sup>13</sup> C <sub>2</sub> , 99%; <sup>15</sup> N, 98%)	*C <sub>2</sub> C <sub>3</sub> H <sub>13</sub> N*NO <sub>2</sub> S	100 µg/mL in methanol	1.2 mL	¥113,000
ULM-8639-1.2	Methomyl (unlabeled)	C <sub>5</sub> H <sub>10</sub> NNO <sub>2</sub> S	100 µg/mL in methanol	1.2 mL	¥29,000
DLM-7141-1.2	Propoxur (isopropyl-D <sub>7</sub> , 98%)	C <sub>11</sub> D <sub>7</sub> H <sub>8</sub> NO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
ULM-9765-1.2	Propoxur (unlabeled)	C <sub>11</sub> H <sub>15</sub> NO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ

## Triazine Herbicide and Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-8316-1.2	Ammeline (desethyl-desisopropylhydroxyatrazine) (ring- <sup>13</sup> C <sub>3</sub> , 99%)	NH <sub>2</sub> (*C <sub>3</sub> N <sub>3</sub> OH)NH <sub>2</sub>	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥135,000
ULM-8323-1.2	Ammeline (desethyl-desisopropylhydroxyatrazine) (unlabeled)	NH <sub>2</sub> (C <sub>3</sub> N <sub>3</sub> OH)NH <sub>2</sub>	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥38,000
CLM-3737-1.2	Atrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	(CH <sub>3</sub> ) <sub>2</sub> CHNH(*C <sub>3</sub> N <sub>3</sub> Cl)NHCH <sub>2</sub> CH <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥89,000
DLM-1149-1.2	Atrazine (ethylamine-D <sub>5</sub> , 98%)	(CH <sub>3</sub> ) <sub>2</sub> CHNH(C <sub>3</sub> N <sub>3</sub> Cl)NHCD <sub>2</sub> CD <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥135,000
DLM-1149-5			100 µg/mL in nonane	5 mg	¥135,000
ULM-7235-1.2	Atrazine (unlabeled)	(CH <sub>3</sub> ) <sub>2</sub> CHNH(C <sub>3</sub> N <sub>3</sub> Cl)NHCH <sub>2</sub> CH <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-3894-1.2	Atrazine mercapturate (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>10</sub> H <sub>22</sub> N <sub>6</sub> O <sub>3</sub> S	100 µg/mL in acetonitrile	1.2 mL	¥203,000
ULM-7346-1.2	Atrazine mercapturate (unlabeled)	C <sub>13</sub> H <sub>22</sub> N <sub>6</sub> O <sub>3</sub> S	100 µg/mL in acetonitrile	1.2 mL	¥68,000
CLM-8311-1.2	Atrazinethiol (ring- <sup>13</sup> C <sub>3</sub> , 99%)	(CH <sub>3</sub> CH <sub>2</sub> NH)*C <sub>3</sub> N <sub>3</sub> (SH)(NHCH(CH <sub>3</sub> ) <sub>2</sub> )	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-8318-1.2	Atrazinethiol (unlabeled)	(CH <sub>3</sub> CH <sub>2</sub> NH)C <sub>3</sub> N <sub>3</sub> (SH)(NHCH(CH <sub>3</sub> ) <sub>2</sub> )	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-8313-1.2	Desethylatrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%) CP 97%	(CH <sub>3</sub> ) <sub>2</sub> CHNH(*C <sub>3</sub> N <sub>3</sub> Cl)NH <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥135,000
ULM-8320-1.2	Desethylatrazine (unlabeled)	(CH <sub>3</sub> ) <sub>2</sub> CHNH(C <sub>3</sub> N <sub>3</sub> Cl)NH <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-7528-1.2	Desethyl desisopropyl atrazine ( <sup>13</sup> C <sub>3</sub> , 99%) CP 95%	*C <sub>3</sub> H <sub>4</sub> ClN <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥143,000
ULM-8001-1.2	Desethyl desisopropyl atrazine (unlabeled)	C <sub>3</sub> H <sub>4</sub> ClN <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-8315-1.2	Desethylhydroxyatrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	(CH <sub>2</sub> N)*C <sub>3</sub> N <sub>3</sub> (OH)(NHCH(CH <sub>3</sub> ) <sub>2</sub> )	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥135,000
ULM-8322-1.2	Desethylhydroxyatrazine (unlabeled)	(CH <sub>2</sub> N)C <sub>3</sub> N <sub>3</sub> (OH)(NHCH(CH <sub>3</sub> ) <sub>2</sub> )	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥38,000
CLM-8312-1.2	Desisopropylatrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	CH <sub>3</sub> CH <sub>2</sub> NH(*C <sub>3</sub> N <sub>3</sub> Cl)NH <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥135,000
ULM-8319-1.2	Desisopropylatrazine (unlabeled)	CH <sub>3</sub> CH <sub>2</sub> NH(C <sub>3</sub> N <sub>3</sub> Cl)NH <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-8314-1.2	Desisopropylhydroxyatrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	(CH <sub>3</sub> CH <sub>2</sub> NH)*C <sub>3</sub> N <sub>3</sub> (OH)(NH <sub>2</sub> )	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥135,000
ULM-8321-1.2	Desisopropylhydroxyatrazine (unlabeled)	(CH <sub>3</sub> CH <sub>2</sub> NH)C <sub>3</sub> N <sub>3</sub> (OH)(NH <sub>2</sub> )	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥38,000
CLM-8310-1.2	Hydroxyatrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	(CH <sub>3</sub> CH <sub>2</sub> NH)*C <sub>3</sub> N <sub>3</sub> (OH)(NHCH(CH <sub>3</sub> ) <sub>2</sub> )	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥135,000
ULM-8317-1.2	Hydroxyatrazine (unlabeled)	(CH <sub>3</sub> CH <sub>2</sub> NH)C <sub>3</sub> N <sub>3</sub> (OH)(NHCH(CH <sub>3</sub> ) <sub>2</sub> )	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥38,000
CLM-3738-1.2	Propazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>6</sub> H <sub>16</sub> ClN <sub>5</sub>	100 µg/mL in methanol	1.2 mL	¥188,000
ULM-8304-1.2	Propazine (unlabeled)	C <sub>9</sub> H <sub>16</sub> ClN <sub>5</sub>			お問い合わせ
CLM-3739-1.2	Simazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>4</sub> H <sub>12</sub> ClN <sub>5</sub>	100 µg/mL in methanol	1.2 mL	¥188,000
CLM-3739-A-1.2			100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-7893-1.2	Simazine (unlabeled)	C <sub>7</sub> H <sub>12</sub> ClN <sub>5</sub>	100 µg/mL in methanol	1.2 mL	¥29,000
ULM-7893-A-1.2			100 µg/mL in acetonitrile	1.2 mL	お問い合わせ

## Pesticide Standards

### Pyrethroid Pesticide and Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-7293-1.2	Cyfluthrin (mix of stereoisomers) (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>16</sub> H <sub>18</sub> Cl <sub>2</sub> FNO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥128,000
ULM-7454-1.2	Cyfluthrin (mix of stereoisomers) (unlabeled)	C <sub>22</sub> H <sub>18</sub> Cl <sub>2</sub> FNO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥38,000
CLM-7292-1.2	Cypermethrin (mix of stereoisomers) (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>16</sub> H <sub>19</sub> Cl <sub>2</sub> NO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥128,000
ULM-7453-1.2	Cypermethrin (mix of stereoisomers) (unlabeled)	C <sub>22</sub> H <sub>19</sub> Cl <sub>2</sub> NO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥38,000
CDLM-9205-1.2	<i>cis</i> -DCCA (1,carboxyl- <sup>13</sup> C <sub>2</sub> , 99%; 1-D, 97%)	C <sub>6</sub> *C <sub>2</sub> H <sub>9</sub> DCl <sub>2</sub> O <sub>2</sub>	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	¥128,000
ULM-9176-1.2	<i>cis</i> -DCCA (unlabeled)	C <sub>8</sub> H <sub>10</sub> Cl <sub>2</sub> O <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥59,000
CDLM-9206-1.2	<i>trans</i> -DCCA (1,carboxyl- <sup>13</sup> C <sub>2</sub> , 99%; 1-D, 97%) CP 97%	C <sub>6</sub> *C <sub>2</sub> H <sub>9</sub> DCl <sub>2</sub> O <sub>2</sub>	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	¥128,000
ULM-9175-1.2	<i>trans</i> -DCCA (unlabeled)	C <sub>8</sub> H <sub>10</sub> Cl <sub>2</sub> O <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥59,000
CLM-7389-1.2	4-Fluoro-3-phenoxybenzoic acid ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>7</sub> H <sub>9</sub> FO <sub>3</sub>	100 µg/mL in acetonitrile	1.2 mL	¥128,000
ULM-7391-1.2	4-Fluoro-3-phenoxybenzoic acid (unlabeled)	C <sub>13</sub> H <sub>9</sub> FO <sub>3</sub>	100 µg/mL in acetonitrile	1.2 mL	¥59,000
CLM-7322-1.2	<i>cis</i> -Permethrin (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> CO <sub>2</sub> C <sub>7</sub> H <sub>9</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥71,000
ULM-8526-1.2	<i>cis</i> -Permethrin (unlabeled)	C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> CO <sub>2</sub> C <sub>7</sub> H <sub>9</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥23,000
CLM-7323-1.2	<i>trans</i> -Permethrin (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> CO <sub>2</sub> C <sub>7</sub> H <sub>9</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥71,000
ULM-8527-1.2	<i>trans</i> -Permethrin (unlabeled)	C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> CO <sub>2</sub> C <sub>7</sub> H <sub>9</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥23,000
CLM-4542-1.2	3-Phenoxybenzoic acid (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> H	100 µg/mL in nonane	1.2 mL	¥113,000
CLM-4542-SA-1.2	3-Phenoxybenzoic acid (unlabeled)	C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> H	100 µg/mL in acetonitrile	1.2 mL	¥113,000
ULM-6781-1.2	3-Phenoxybenzoic acid (unlabeled)	C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> H	100 µg/mL in nonane	1.2 mL	¥38,000
ULM-6781-SA-1.2	3-Phenoxybenzoic acid (unlabeled)	C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> H	100 µg/mL in acetonitrile	1.2 mL	¥38,000

### Toxaphene Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
ULM-9429-1.2	Hp-Sed (unlabeled)	C <sub>10</sub> H <sub>11</sub> Cl <sub>7</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9428-1.2	Hx-Sed (unlabeled)	C <sub>10</sub> H <sub>12</sub> Cl <sub>6</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-7930-1.2	Parlar 26 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-7828-1.2	Parlar 26 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8705-1.2	Parlar 32 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>11</sub> Cl <sub>7</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8665-1.2	Parlar 32 (unlabeled)	C <sub>10</sub> H <sub>11</sub> Cl <sub>7</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9005-1.2	Parlar 38 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8719-1.2	Parlar 39 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8767-1.2	Parlar 39 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9430-1.2	Parlar 40 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9431-1.2	Parlar 41 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9432-1.2	Parlar 44 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-7931-1.2	Parlar 50 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-7829-1.2	Parlar 50 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-7932-1.2	Parlar 62 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-7830-1.2	Parlar 62 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8720-1.2	Parlar 69 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8768-1.2	Parlar 69 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8721-1.2	Parlar 70 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8769-1.2	Parlar 70 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000

## Individual Pesticide and Pesticide Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
DLM-6000-1.2	Acephate (D <sub>6</sub> , 98%)	C <sub>4</sub> D <sub>6</sub> H <sub>4</sub> NO <sub>3</sub> PS	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	¥113,000
ULM-7263-1.2	Acephate (unlabeled)	C <sub>4</sub> H <sub>10</sub> NO <sub>3</sub> PS	100 µg/mL in acetonitrile	1.2 mL	¥29,000
CLM-9653-1.2	Acetamiprid (pyridylmethyl- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>11</sub> ClN <sub>4</sub>	100 µg/mL in acetonitrile	1.2 mL	¥149,000
ULM-9734-1.2	Acetamiprid (unlabeled)	C <sub>10</sub> H <sub>11</sub> ClN <sub>4</sub>	100 µg/mL in methanol	1.2 mL	¥29,000
CLM-4546-1.2	Acetochlor (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>8</sub> H <sub>20</sub> ClNO <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-9824-1.2	Acetochlor (unlabeled)	C <sub>6</sub> C <sub>8</sub> H <sub>20</sub> ClNO <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-3727-1.2	Alachlor (ring- <sup>13</sup> C <sub>6</sub> , 99%) CP 96%	*C <sub>6</sub> C <sub>8</sub> H <sub>20</sub> ClNO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥195,000
CLM-3687-1.2	Alachlor acetylcysteine adduct (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>13</sub> H <sub>28</sub> N <sub>2</sub> O <sub>5</sub> S	100 µg/mL in acetonitrile	1.2 mL	¥204,000
CDLM-9820-1.2	Aldicarb ( <sup>13</sup> C <sub>2</sub> , 98%; D <sub>3</sub> , 98%)	C <sub>5</sub> *C <sub>2</sub> H <sub>11</sub> D <sub>3</sub> N <sub>2</sub> O <sub>2</sub> S	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-9823-1.2	Aldicarb (unlabeled)	C <sub>7</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> S	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-4725-1.2	Aldrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7441-1.2	Aldrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CDNLM-6786-1.2	Aminomethylphosphonic acid (AMPA)	*CH <sub>4</sub> D <sub>2</sub> *NO <sub>3</sub> P	100 µg/mL in H <sub>2</sub> O	1.2 mL	¥149,000
CDNLM-6786-10	( <sup>13</sup> C, 99%; <sup>15</sup> N, 98%, methylene-D <sub>2</sub> , 98%)			10 mL	お問い合わせ
CLM-8316-1.2	Ammeline (desethyl-desisopropylhydroxyatrazine) (ring- <sup>13</sup> C <sub>3</sub> , 99%)	NH <sub>2</sub> (*C <sub>3</sub> N <sub>3</sub> OH)NH <sub>2</sub>	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥135,000
ULM-8323-1.2	Ammeline (desethyl-desisopropylhydroxyatrazine) (unlabeled)	NH <sub>2</sub> (C <sub>3</sub> N <sub>3</sub> OH)NH <sub>2</sub>	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥38,000
CLM-3737-1.2	Atrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>5</sub> H <sub>14</sub> ClN <sub>5</sub>	100 µg/mL in nonane	1.2 mL	¥89,000
DLM-1149-1.2	Atrazine (ethylamine-D <sub>5</sub> , 98%)	C <sub>8</sub> H <sub>9</sub> D <sub>5</sub> ClN <sub>5</sub>	100 µg/mL in nonane	1.2 mL	¥135,000
DLM-1149-5			neat	5 mg	¥135,000
ULM-7235-1.2	Atrazine (unlabeled)	C <sub>8</sub> H <sub>14</sub> ClN <sub>5</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-3894-1.2	Atrazine mercapturate (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>10</sub> H <sub>22</sub> N <sub>6</sub> O <sub>3</sub> S	100 µg/mL in acetonitrile	1.2 mL	¥203,000
ULM-7346-1.2	Atrazine mercapturate (unlabeled)	C <sub>13</sub> H <sub>22</sub> N <sub>6</sub> O <sub>3</sub> S	100 µg/mL in acetonitrile	1.2 mL	¥68,000
CLM-8311-1.2	Atrazinethiol (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>5</sub> H <sub>15</sub> N <sub>5</sub> S	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-8318-1.2	Atrazinethiol (unlabeled)	C <sub>8</sub> H <sub>15</sub> N <sub>5</sub> S	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-9399-1.2	Azinphos-methyl (unlabeled)	C <sub>10</sub> PN <sub>3</sub> H <sub>12</sub> S <sub>2</sub> O <sub>3</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
CLM-7140	Bendiocarb ( <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>8</sub> H <sub>13</sub> NO <sub>4</sub>			お問い合わせ
ULM-8638	Bendiocarb (unlabeled)	C <sub>11</sub> H <sub>13</sub> NO <sub>4</sub>			お問い合わせ
DLM-7152	Bensulide (isopropoxy-D <sub>14</sub> , 98%)	C <sub>14</sub> D <sub>14</sub> H <sub>10</sub> NO <sub>4</sub> PS <sub>3</sub>			お問い合わせ
CLM-2482-1.2	α-HCH (α-BHC) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥155,000
ULM-7232-1.2	α-HCH (α-BHC) (unlabeled)	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-3623-1.2	β-HCH (β-BHC) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	50 µg/mL in nonane	2 × 1.2 mL	¥158,000
ULM-6132-1.2	β-HCH (β-BHC) (unlabeled)	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	2 × 1.2 mL	¥29,000
CDLM-624-1.2	γ-HCH (γ-BHC) (lindane) ( <sup>13</sup> C <sub>6</sub> , 99%; D <sub>6</sub> , 99%)	*C <sub>6</sub> D <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥183,000
CLM-1282-1.2	γ-HCH (γ-BHC) (lindane) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥153,000
ULM-6133-1.2	γ-HCH (γ-BHC) (lindane) (unlabeled)	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-3648-1.2	δ-HCH (δ-BHC) ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥158,000
ULM-7233-1.2	δ-HCH (δ-BHC) (unlabeled)	C <sub>6</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-3741-1.2	Bromoxynil (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> CH <sub>3</sub> Br <sub>2</sub> NO	50 µg/mL in nonane	2 × 1.2 mL	¥123,000
ULM-6205-1.2	Bromoxynil (unlabeled)	C <sub>7</sub> H <sub>3</sub> Br <sub>2</sub> NO	50 µg/mL in nonane	1.2 mL	¥29,000
CLM-4682-1.2	Carbaryl (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥113,000
ULM-8096-1.2	Carbaryl (unlabeled)	C <sub>10</sub> H <sub>7</sub> CO <sub>2</sub> NHCH <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-1911-1.2	Carbofuran (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>15</sub> NO <sub>3</sub>	100 µg/mL in 1,4-dioxane	1.2 mL	¥233,000
ULM-7419-1.2	Carbofuran (unlabeled)	C <sub>12</sub> H <sub>15</sub> NO <sub>3</sub>	100 µg/mL in 1,4-dioxane	1.2 mL	¥29,000
ULM-6875-1.2	Carbofuran phenol (unlabeled)	C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	200 µg/mL in nonane	1.2 mL	¥38,000
CLM-8087-1.2	cis-Chlordane (α) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2419-1.2	cis-Chlordane (α) (unlabeled)	C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2419-25			neat	25 mg	お問い合わせ
CLM-4792-1.2	trans-Chlordane (γ) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2420-1.2	trans-Chlordane (γ) (unlabeled)	C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2420-25			neat	25 mg	お問い合わせ
CLM-4814-1.2	Chlordecone (kepone) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2301-1.2	Chlordecone (kepone) (unlabeled)	C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2301-0.1			neat	0.1 g	お問い合わせ
CLM-4758-1.2	Chlordene ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7443-1.2	Chlordene (unlabeled)	C <sub>10</sub> H <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-6759	4-Chloro-2-hydroxymethyl phenoxyacetic acid (HMCPA) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	ClOH*C <sub>6</sub> H <sub>3</sub> OCH <sub>2</sub> CO <sub>2</sub> H			お問い合わせ

## Individual Pesticide and Pesticide Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-6758	4-Chloro-2-methylphenoxyacetic acid (MCPA) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	ClCH <sub>3</sub> *C <sub>6</sub> H <sub>3</sub> OCH <sub>2</sub> CO <sub>2</sub> H			お問い合わせ
CLM-9598-1.2	6-Chloronicotinic acid ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>4</sub> ClNO <sub>2</sub>	100 µg/mL in MTBE	1.2 mL	¥149,000
ULM-9604-1.2	6-Chloronicotinic acid (unlabeled)	C <sub>6</sub> H <sub>4</sub> ClNO <sub>2</sub>	100 µg/mL in MTBE	1.2 mL	¥29,000
CLM-1913-1.2	4-Chlorophenol ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>4</sub> ClOH	100 µg/mL in nonane	1.2 mL	¥72,000
ULM-7420-1.2	4-Chlorophenol (unlabeled)	C <sub>6</sub> H <sub>4</sub> ClOH	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-4360-1.2	Chlorpyrifos (diethyl-D <sub>10</sub> , 99%)	C <sub>9</sub> D <sub>10</sub> HCl <sub>3</sub> NO <sub>3</sub> PS	100 µg/mL in nonane	1.2 mL	¥105,000
ULM-7489-1.2	Chlorpyrifos (unlabeled)	C <sub>9</sub> H <sub>11</sub> Cl <sub>3</sub> NO <sub>3</sub> PS	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-7153-1.2	Chlorpyrifos-methyl (dimethyl-D <sub>6</sub> , 98%)	C <sub>7</sub> HCl <sub>3</sub> D <sub>6</sub> NO <sub>3</sub> PS	100 µg/mL in nonane	1.2 mL	お問い合わせ
ULM-9538-1.2	Chlorpyrifos-methyl (unlabeled)	C <sub>7</sub> H <sub>7</sub> Cl <sub>3</sub> NO <sub>3</sub> PS	100 µg/mL in nonane	1.2 mL	お問い合わせ
DLM-3760-1.2	Chlortoluron (N,N-dimethyl-D <sub>6</sub> , 98%)	C <sub>10</sub> H <sub>7</sub> D <sub>6</sub> ClN <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
DLM-3760-0.01	Chlortoluron (unlabeled)	C <sub>10</sub> H <sub>13</sub> ClN <sub>2</sub> O	neat	10 mg	¥165,000
ULM-9825-1.2	Chlortoluron (unlabeled)	C <sub>10</sub> H <sub>13</sub> ClN <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
CNLM-9940-1.2	Clothianidin (thiazole- <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N, 98%)	*C <sub>3</sub> C <sub>3</sub> H <sub>8</sub> Cl*NN <sub>4</sub> O <sub>2</sub> S			お問い合わせ
ULM-9941-1.2	Clothianidin (unlabeled)	C <sub>6</sub> H <sub>8</sub> ClN <sub>5</sub> O <sub>2</sub> S			お問い合わせ
ERC-034	Cyclohexyl methylphosphonic acid (unlabeled)	CH <sub>3</sub> PO <sub>3</sub> HC <sub>6</sub> H <sub>11</sub>	1000 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-7293-1.2	Cyfluthrin (mix of stereoisomers) (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>16</sub> H <sub>18</sub> Cl <sub>2</sub> FNO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥128,000
ULM-7454-1.2	Cyfluthrin (mix of stereoisomers) (unlabeled)	C <sub>22</sub> H <sub>18</sub> Cl <sub>2</sub> FNO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥38,000
CLM-7292-1.2	Cypermethrin (mix of stereoisomers) (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>16</sub> H <sub>19</sub> Cl <sub>2</sub> NO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥128,000
ULM-7453-1.2	Cypermethrin (mix of stereoisomers) (unlabeled)	C <sub>22</sub> H <sub>19</sub> Cl <sub>2</sub> NO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥38,000
CDLM-9205-1.2	cis-DCCA (1,carboxyl- <sup>13</sup> C <sub>2</sub> , 99%; 1-D, 97%)	C <sub>6</sub> *C <sub>7</sub> H <sub>9</sub> DCl <sub>2</sub> O <sub>2</sub>	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	¥128,000
ULM-9176-1.2	cis-DCCA (unlabeled)	C <sub>6</sub> H <sub>10</sub> Cl <sub>2</sub> O <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥59,000
CDLM-9206-1.2	trans-DCCA (1,carboxyl- <sup>13</sup> C <sub>2</sub> , 99%; 1-D, 97%)	C <sub>6</sub> *C <sub>7</sub> H <sub>9</sub> DCl <sub>2</sub> O <sub>2</sub>	100 µg/mL in acetonitrile-D <sub>3</sub>	1.2 mL	¥128,000
ULM-9175-1.2	trans-DCCA (unlabeled)	C <sub>6</sub> H <sub>10</sub> Cl <sub>2</sub> O <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥59,000
CLM-6999-1.2	2,4'-DDD (ring- <sup>13</sup> C <sub>12</sub> , 99%) [(o,p'-Dichlorodiphenyl) dichloroethane]	*C <sub>12</sub> C <sub>2</sub> H <sub>10</sub> Cl <sub>4</sub>	50 µg/mL in nonane	1.2 mL	¥128,000
ULM-7450-1.2	2,4'-DDD (unlabeled) [(o,p'-Dichlorodiphenyl) dichloroethane]	C <sub>14</sub> H <sub>10</sub> Cl <sub>4</sub>	50 µg/mL in nonane	1.2 mL	¥29,000
CLM-7100-1.2	4,4'-DDD (ring- <sup>13</sup> C <sub>12</sub> , 99%) [(o,p'-Dichlorodiphenyl) dichloroethane]	*C <sub>12</sub> C <sub>2</sub> H <sub>10</sub> Cl <sub>4</sub>	100 µg/mL in nonane	1.2 mL	¥135,000
DLM-3533-1.2	4,4'-DDD (ring-D <sub>8</sub> , 98%) [(p,p'-Dichlorodiphenyl) dichloroethane]	C <sub>14</sub> D <sub>8</sub> H <sub>2</sub> Cl <sub>4</sub>	100 µg/mL in nonane	1.2 mL	¥105,000
ULM-7216-1.2	4,4'-DDD (unlabeled) [(p,p'-Dichlorodiphenyl) dichloroethane]	C <sub>14</sub> H <sub>10</sub> Cl <sub>4</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4693-1.2	2,4'-DDE (ring- <sup>13</sup> C <sub>12</sub> , 99%) [(o,p'-Dichlorodiphenyl) dichloroethylene]	(Cl*C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> C=CCl <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥123,000
ULM-6251-1.2	2,4'-DDE (unlabeled) [(o,p'-Dichlorodiphenyl) dichloroethylene]	C <sub>14</sub> H <sub>8</sub> Cl <sub>4</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-1627-1.2	4,4'-DDE (ring- <sup>13</sup> C <sub>12</sub> , 99%)	(Cl*C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> C=CCl <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥108,000
CLM-1627-5	[(p,p'-Dichlorodiphenyl) dichloroethylene]		neat	5 mg	¥158,000
ULM-6137-1.2	4,4'-DDE (unlabeled) [(p,p'-Dichlorodiphenyl) dichloroethylene]	(ClC <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> C=CCl <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4692-1.2	2,4'-DDT (ring- <sup>13</sup> C <sub>12</sub> , 99%) [(o,p'-Dichlorodiphenyl) trichloroethane]	(Cl*C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥123,000
ULM-6134-1.2	2,4'-DDT (unlabeled) [(o,p'-Dichlorodiphenyl) trichloroethane]	ClC <sub>6</sub> H <sub>4</sub> CH(CCl <sub>3</sub> )C <sub>6</sub> H <sub>4</sub> Cl	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-1281-1.2	4,4'-DDT (ring- <sup>13</sup> C <sub>12</sub> , 99%)	(Cl*C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥108,000
CLM-1281-5	[(p,p'-Dichlorodiphenyl) trichloroethane]		neat	5 mg	¥158,000
ULM-6135-1.2	4,4'-DDT (unlabeled) [(p,p'-Dichlorodiphenyl) trichloroethane]	(ClC <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-8313-1.2	Desethylatrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%) CP 97%	*C <sub>3</sub> C <sub>3</sub> H <sub>10</sub> ClN <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥135,000
ULM-8320-1.2	Desethylatrazine (unlabeled)	C <sub>6</sub> H <sub>10</sub> ClN <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-7528-1.2	Desethyl desisopropyl atrazine ( <sup>13</sup> C <sub>3</sub> , 99%) CP 95%	*C <sub>3</sub> H <sub>4</sub> ClN <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥143,000
ULM-8001-1.2	Desethyl desisopropyl atrazine (unlabeled)	C <sub>3</sub> H <sub>4</sub> ClN <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-8315-1.2	Desethylhydroxyatrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	C <sub>3</sub> *C <sub>3</sub> H <sub>11</sub> N <sub>5</sub> O	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥135,000



## Individual Pesticide and Pesticide Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
ULM-8322-1.2	Desethylhydroxyatrazine (unlabeled)	C <sub>6</sub> H <sub>11</sub> N <sub>5</sub> O	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥38,000
CLM-8312-1.2	Desisopropylatrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>2</sub> H <sub>8</sub> ClN <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥135,000
ULM-8319-1.2	Desisopropylatrazine (unlabeled)	C <sub>5</sub> H <sub>8</sub> ClN <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-8314-1.2	Desisopropylhydroxyatrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>2</sub> H <sub>8</sub> N <sub>5</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥135,000
ULM-8321-1.2	Desisopropylhydroxyatrazine (unlabeled)	C <sub>5</sub> H <sub>9</sub> N <sub>5</sub> O	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥38,000
DLM-1148-1.2	Diazinon (diethyl-D <sub>10</sub> , 98%)	C <sub>12</sub> H <sub>11</sub> D <sub>10</sub> N <sub>2</sub> O <sub>3</sub> PS	100 µg/mL in nonane	1.2 mL	¥105,000
DLM-1148-A-1.2			100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
DLM-1148-5			neat	5 mg	¥135,000
ULM-6575-S-10X-1.2	Diazinon (unlabeled)	C <sub>12</sub> H <sub>21</sub> N <sub>2</sub> O <sub>3</sub> PS	1000 µg/mL in nonane	1.2 mL	¥38,000
ULM-6575-A-1.2			100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-816-1.2	2,6-Dichloro-4-nitroaniline (ring- <sup>13</sup> C <sub>6</sub> , 99%)	Cl <sub>2</sub> *C <sub>6</sub> H <sub>2</sub> (NO <sub>2</sub> )NH <sub>2</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
CLM-1858-1.2	2,4-Dichlorophenoxyacetic acid (2,4-D) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	Cl <sub>2</sub> *C <sub>6</sub> H <sub>3</sub> OCH <sub>2</sub> CO <sub>2</sub> H	100 µg/mL in acetonitrile	1.2 mL	¥119,000
DLM-1146-5	2,4-Dichlorophenoxyacetic acid (2,4-D) (ring-D <sub>3</sub> , 98%)	Cl <sub>2</sub> C <sub>6</sub> D <sub>3</sub> OCH <sub>2</sub> CO <sub>2</sub> H	neat	5 mg	¥195,000
ULM-7418-1.2	2,4-Dichlorophenoxyacetic acid (2,4-D) (unlabeled)	Cl <sub>2</sub> C <sub>6</sub> H <sub>3</sub> OCH <sub>2</sub> CO <sub>2</sub> H	100 µg/mL in acetonitrile	1.2 mL	¥29,000
CLM-3722-1.2	Dichlorprop (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>3</sub> H <sub>8</sub> Cl <sub>2</sub> O <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥135,000
ULM-7313-1.2	Dichlorprop (unlabeled)	(Cl) <sub>2</sub> C <sub>6</sub> H <sub>3</sub> OCH(CH <sub>3</sub> )CO <sub>2</sub> H	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-2829-0.01	Dichlorvos (dimethyl-D <sub>6</sub> , 98%)	C <sub>4</sub> D <sub>6</sub> HCl <sub>2</sub> O <sub>4</sub> P	neat	10 mg	¥105,000
ULM-7217-1.2	Dichlorvos (unlabeled)	(H <sub>2</sub> CO) <sub>2</sub> POOCH=CCl <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4726-1.2	Dieldrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7230-1.2	Dieldrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-4851-M-1.2	O,O-Diethyl phosphate, potassium salt (DEP) (diethyl-D <sub>10</sub> , 98%)	C <sub>4</sub> D <sub>10</sub> KO <sub>4</sub> P	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-9287-M-1.2	O,O-Diethyl phosphate, potassium salt (DEP) (unlabeled)	C <sub>4</sub> H <sub>10</sub> KO <sub>4</sub> P	100 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-4852-1.2	O,O-Diethyl thiophosphate, potassium salt (DETP) (diethyl-D <sub>10</sub> , 98%)	C <sub>4</sub> D <sub>10</sub> KO <sub>3</sub> PS	100 µg/mL in methanol	1.2 mL	¥149,000
ERD-119	O,O-Diethyl thiophosphate, potassium salt (DETP) (unlabeled)	C <sub>4</sub> H <sub>10</sub> KO <sub>3</sub> PS	1000 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-9003-1.2	O,O-Diethyl dithiophosphate, potassium salt (DEDTP) (diethyl-D <sub>10</sub> , 98%)	C <sub>4</sub> D <sub>10</sub> KO <sub>2</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-9002-1.2	O,O-Diethyl dithiophosphate, potassium salt (DEDTP) (unlabeled)	C <sub>4</sub> H <sub>10</sub> KO <sub>2</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-4762-1.2	N,N-Diethyl-m-toluamide (DEET) (dimethyl-D <sub>6</sub> , 98%)	CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> CON(CH <sub>2</sub> CD <sub>3</sub> ) <sub>2</sub>	100 µg/mL in MeCl-D <sub>2</sub>	1.2 mL	¥110,000
DLM-4762-D-1.2			100 µg/mL in dioxane	1.2 mL	¥110,000
ULM-7975-1.2	N,N-Diethyl-m-toluamide (DEET) (unlabeled)	CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> CON(CH <sub>2</sub> CH <sub>3</sub> ) <sub>2</sub>	100 µg/mL in MeCl	1.2 mL	¥29,000
ULM-7975-D-1.2			100 µg/mL in dioxane	1.2 mL	¥29,000
ULM-9898-1.2	Diisopropyl methylphosphonate (unlabeled)	C <sub>7</sub> H <sub>17</sub> O <sub>3</sub> P	1000 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-7151-1.2	Dimethoate (O,O-dimethyl-D <sub>6</sub> , 98%)	C <sub>5</sub> D <sub>6</sub> H <sub>6</sub> NO <sub>3</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥113,000
ULM-7972-1.2	Dimethoate (unlabeled)	C <sub>5</sub> H <sub>12</sub> NO <sub>3</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
DLM-8868-1.2	O,O-Dimethyl phosphate, potassium salt (DMP) (dimethyl-D <sub>6</sub> , 98%)	C <sub>2</sub> D <sub>6</sub> KO <sub>4</sub> P	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-8867-1.2	O,O-Dimethyl phosphate, potassium salt (DMP) (unlabeled)	C <sub>2</sub> H <sub>6</sub> KO <sub>3</sub> P <sub>4</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-8904-1.2	O,O-Dimethyl thiophosphate, potassium salt (DMTP) (dimethyl-D <sub>6</sub> , 98%) CP 97%	C <sub>2</sub> D <sub>6</sub> KO <sub>3</sub> PS	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-8905-1.2	O,O-Dimethyl thiophosphate, potassium salt (DMTP) (unlabeled) CP 97%	C <sub>2</sub> H <sub>6</sub> KO <sub>3</sub> PS	1000 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-4541-M-1.2	O,O-Dimethyl dithiophosphate, potassium salt (DMDTP) (dimethyl-D <sub>6</sub> , 98%)	C <sub>2</sub> D <sub>6</sub> KO <sub>2</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-9004-1.2	O,O-Dimethyl dithiophosphate, potassium salt (DMDTP) (unlabeled)	C <sub>2</sub> H <sub>6</sub> KO <sub>2</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-3373	Dinocap (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>12</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub>			お問い合わせ
ULM-9171-1.2	Dinocap (unlabeled)	C <sub>18</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub>			お問い合わせ
CLM-9594-1.2	Dinotefuran (furylmethyl- <sup>13</sup> C <sub>5</sub> , 99%)	*C <sub>5</sub> C <sub>2</sub> H <sub>4</sub> N <sub>4</sub> O <sub>3</sub>	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-9732-1.2	Dinotefuran (unlabeled)	C <sub>7</sub> H <sub>14</sub> N <sub>4</sub> O <sub>3</sub>	100 µg/mL in methanol	1.2 mL	¥29,000

## Individual Pesticide and Pesticide Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
ULM-9899-1.2	Dipinacolyl methylphosphonate (unlabeled)	C <sub>13</sub> H <sub>29</sub> O <sub>3</sub> P	1000 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-7183	Disulfoton (O,O-diethyl-D <sub>10</sub> , 98%)	C <sub>8</sub> D <sub>10</sub> H <sub>9</sub> O <sub>2</sub> PS <sub>3</sub>			お問い合わせ
CLM-6025-1.2	Endosulfan I ( <sup>13</sup> C <sub>9</sub> , 99%)	*C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥293,000
DLM-2862-1.2	Endosulfan I (D <sub>4</sub> , 97%)	C <sub>9</sub> D <sub>4</sub> H <sub>2</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥77,000
ULM-7447-1.2	Endosulfan I (unlabeled)	C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-6026-1.2	Endosulfan II ( <sup>13</sup> C <sub>9</sub> , 99%)	*C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7448-1.2	Endosulfan II (unlabeled)	C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>3</sub> S	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-7531-1.2	Endosulfan sulfate ( <sup>13</sup> C <sub>9</sub> , 99%)	*C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>4</sub> S	100 µg/mL in nonane	1.2 mL	¥209,000
ULM-7990-1.2	Endosulfan sulfate (unlabeled)	C <sub>9</sub> H <sub>6</sub> Cl <sub>6</sub> O <sub>4</sub> S	100 µg/mL in nonane	1.2 mL	¥38,000
CLM-4782-1.2	Endrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7444-1.2	Endrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4815-1.2	Endrin aldehyde ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>10</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-4815-50			neat	50 µg	¥149,000
ULM-8958-1.2	Endrin aldehyde (unlabeled)	C <sub>12</sub> H <sub>10</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-8958-50			neat	50 µg	¥23,000
CLM-4816-1.2	Endrin ketone ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-4816-50			neat	50 µg	¥149,000
ULM-8956-1.2	Endrin ketone (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-8956-50			neat	50 µg	¥23,000
ULM-6091-1.2	Ethyl dimethylamidophosphate, sodium salt (unlabeled)	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub> PNa	1000 µg/mL in methanol	1.2 mL	¥38,000
DLM-6098-1.2	Ethyl methylphosphonate (ethyl-D <sub>5</sub> , 98%)	C <sub>5</sub> H <sub>4</sub> D <sub>5</sub> O <sub>3</sub> P	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-6099-1.2	Ethyl methylphosphonic acid (unlabeled)	C <sub>5</sub> H <sub>9</sub> O <sub>3</sub> P	1000 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-2878-0.01	Fenitrothion (O,O-dimethyl-D <sub>6</sub> , 98%)	C <sub>9</sub> D <sub>6</sub> H <sub>6</sub> NO <sub>3</sub> PS	neat	10 mg	¥128,000
CNLM-9636-1.2	Fipronil (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	*C <sub>4</sub> C <sub>8</sub> H <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub> N <sub>2</sub> *N <sub>2</sub> OS	100 µg/mL in methanol	1.2 mL	¥143,000
ULM-9635-1.2	Fipronil (unlabeled)	C <sub>12</sub> H <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub> N <sub>4</sub> OS	100 µg/mL in methanol	1.2 mL	¥29,000
CNLM-9647-1.2	Fipronil desulfinyl (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	*C <sub>4</sub> C <sub>8</sub> H <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub> N <sub>2</sub> *N <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥143,000
ULM-9646-1.2	Fipronil desulfinyl (unlabeled)	C <sub>12</sub> H <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub> N <sub>4</sub>	100 µg/mL in methanol	1.2 mL	¥29,000
CNLM-9650-1.2	Fipronil detri-fluoromethyl sulfinyl (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%) 3-cyano- 5- <sup>15</sup> N <sub>2</sub> , 98%)	*C <sub>4</sub> C <sub>7</sub> H <sub>5</sub> Cl <sub>2</sub> F <sub>3</sub> *N <sub>2</sub> N <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9649-1.2	Fipronil detri-fluoromethyl sulfinyl (unlabeled)	C <sub>11</sub> H <sub>5</sub> Cl <sub>2</sub> F <sub>3</sub> N <sub>2</sub> N <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
CNLM-9645-1.2	Fipronil sulfide (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	*C <sub>4</sub> C <sub>8</sub> H <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub> *N <sub>2</sub> N <sub>2</sub> S	100 µg/mL in methanol	1.2 mL	¥143,000
ULM-9644-1.2	Fipronil sulfide (unlabeled)	C <sub>12</sub> H <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub> N <sub>4</sub> S	100 µg/mL in methanol	1.2 mL	¥29,000
CNLM-9643-1.2	Fipronil sulfone (3-cyano, pyrazole-3,4,5- <sup>13</sup> C <sub>4</sub> , 99%; 3-cyano, 5- <sup>15</sup> N <sub>2</sub> , 98%)	*C <sub>4</sub> C <sub>8</sub> H <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub> *N <sub>2</sub> N <sub>2</sub> O <sub>2</sub> S	100 µg/mL in methanol	1.2 mL	¥143,000
ULM-9642-1.2	Fipronil sulfone (unlabeled)	C <sub>12</sub> H <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub> N <sub>4</sub> O <sub>2</sub> S	100 µg/mL in methanol	1.2 mL	¥29,000
CLM-7389-1.2	4-Fluoro-3-phenoxybenzoic acid ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>9</sub> FO <sub>3</sub>	100 µg/mL in acetonitrile	1.2 mL	¥128,000
ULM-7391-1.2	4-Fluoro-3-phenoxybenzoic acid (unlabeled)	C <sub>13</sub> H <sub>9</sub> FO <sub>3</sub>	100 µg/mL in acetonitrile	1.2 mL	¥59,000
CLM-4545-1.2	Fonofos (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>15</sub> OPS <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥113,000
ULM-6694-1.2	Fonofos (unlabeled)	CH <sub>2</sub> CH <sub>3</sub> P(S)(OCH <sub>2</sub> CH <sub>3</sub> )(SC <sub>6</sub> H <sub>5</sub> )	100 µg/mL in nonane	1.2 mL	¥29,000
DLM-9680	Forchlorfenuron (phenyl-D <sub>5</sub> , 99%)	C <sub>12</sub> D <sub>5</sub> H <sub>5</sub> CIN <sub>3</sub> O			お問い合わせ
CNLM-4666-1.2	Glyphosate (2- <sup>13</sup> C, 99%; <sup>15</sup> N, 98%+)	HO <sub>2</sub> *CCH <sub>2</sub> *NHCH <sub>2</sub> PO(OH) <sub>2</sub>	100 µg/mL in water	1.2 mL	¥116,000
CNLM-4666-10X-1.2			1000 µg/mL in water	1.2 mL	¥375,000
CNLM-4666-10			100 µg/mL in water	10 mL	¥383,000
ULM-6876-1.2	Glyphosate (unlabeled)	HO <sub>2</sub> CCH <sub>2</sub> NHCH <sub>2</sub> PO(OH) <sub>2</sub>	100 µg/mL in water	1.2 mL	¥29,000
CLM-4759-1.2	Heptachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2424-1.2	Heptachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2424-0.1			neat	0.1 g	¥29,000
CLM-4734-1.2	cis-Heptachlor epoxide ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2425-1.2	cis-Heptachlor epoxide (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2425-0.1			neat	0.1 g	お問い合わせ
ULM-7869-1.2	trans-Heptachlor epoxide (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>7</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-351-1.2	Hexachlorobenzene ( <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥48,000
ULM-6130-1.2	Hexachlorobenzene (unlabeled)	C <sub>6</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000

## Individual Pesticide and Pesticide Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
ULM-9429-1.2	Hp-Sed (unlabeled)	C <sub>10</sub> H <sub>11</sub> Cl <sub>7</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9428-1.2	Hx-Sed (unlabeled)	C <sub>10</sub> H <sub>12</sub> Cl <sub>6</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8310-1.2	Hydroxyatrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	(CH <sub>3</sub> CH <sub>2</sub> NH)*C <sub>3</sub> N <sub>3</sub> (OH) (NHCH(CH <sub>3</sub> ) <sub>2</sub> )	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥135,000
ULM-8317-1.2	Hydroxyatrazine (unlabeled)	(CH <sub>3</sub> CH <sub>2</sub> NH)C <sub>3</sub> N <sub>3</sub> (OH) (NHCH(CH <sub>3</sub> ) <sub>2</sub> )	100 µg/mL in 80% water/ 20% diethylamine	1.2 mL	¥38,000
DLM-8512-1.2	Imidacloprid (4,4,5,5-D <sub>4</sub> , 98%)	C <sub>9</sub> H <sub>6</sub> D <sub>4</sub> ClN <sub>5</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥113,000
ULM-8513-1.2	Imidacloprid (unlabeled)	C <sub>9</sub> H <sub>10</sub> ClN <sub>5</sub> O <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥29,000
CLM-4727-1.2	Isodrin ( <sup>13</sup> C <sub>12</sub> , 99%)	*C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7442-1.2	Isodrin (unlabeled)	C <sub>12</sub> H <sub>8</sub> Cl <sub>6</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
ERI-026	Isobutyl hydrogen methylphosphonate (unlabeled)	C <sub>5</sub> H <sub>13</sub> O <sub>3</sub> P	1000 µg/mL in methanol	1.2 mL	お問い合わせ
ERI-015	Isopropyl methylphosphonic acid (unlabeled)	C <sub>4</sub> H <sub>11</sub> O <sub>3</sub> P	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-4814-1.2	Kepone (chlordecone) ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-2301-1.2	Kepone (chlordecone) (unlabeled)	C <sub>10</sub> Cl <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2301-0.1			neat	0.1 g	お問い合わせ
DLM-4476-1.2	Malathion (D <sub>10</sub> , 99%)	C <sub>10</sub> D <sub>10</sub> H <sub>9</sub> O <sub>6</sub> PS <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥105,000
ULM-8122-1.2	Malathion (unlabeled)	C <sub>10</sub> H <sub>19</sub> O <sub>6</sub> PS <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-9050-1.2	Malathion diacid ( <sup>13</sup> C <sub>4</sub> , 99%) CP 97%	*C <sub>4</sub> C <sub>2</sub> H <sub>11</sub> O <sub>6</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9073-1.2	Malathion diacid (unlabeled)	C <sub>6</sub> H <sub>11</sub> O <sub>6</sub> PS <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
DLM-7149-1.2	Methamidophos (dimethyl-D <sub>6</sub> , 98%)	C <sub>2</sub> D <sub>6</sub> H <sub>2</sub> NO <sub>2</sub> PS	100 µg/mL in dioxane	1.2 mL	¥149,000
ULM-8872-1.2	Methamidophos (unlabeled)	C <sub>2</sub> H <sub>8</sub> NO <sub>2</sub> PS	100 µg/mL in dioxane	1.2 mL	¥29,000
CNLM-7148-1.2	Methomyl (acetohydroxamate- <sup>13</sup> C <sub>2</sub> , 99%; <sup>15</sup> N, 98%)	*C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> N*NO <sub>2</sub> S	100 µg/mL in methanol	1.2 mL	¥113,000
ULM-8639-1.2	Methomyl (unlabeled)	C <sub>5</sub> H <sub>10</sub> NNO <sub>2</sub> S	100 µg/mL in methanol	1.2 mL	¥29,000
CLM-4683-1.2	Methoxychlor (ring- <sup>13</sup> C <sub>12</sub> , 99%)	(CH <sub>3</sub> O*C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥113,000
ULM-7440-1.2	Methoxychlor (unlabeled)	(CH <sub>3</sub> OC <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> CHCCl <sub>3</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CDLM-6100-1.2	Methylphosphonic acid ( <sup>13</sup> C, 99%; methyl-D <sub>3</sub> , 98%)	*CD <sub>3</sub> H <sub>2</sub> O <sub>3</sub> P	100 µg/mL in methanol	1.2 mL	¥149,000
DLM-6196-1.2	Methylphosphonic acid (methyl-D <sub>3</sub> , 98%)	CD <sub>3</sub> P(O)(OH) <sub>2</sub>	100 µg/mL in methanol	1.2 mL	¥149,000
ERM-038	Methylphosphonic acid (unlabeled)	CH <sub>3</sub> P(O)(OH) <sub>2</sub>	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-6620-1.2	Methylphosphonic acid, mono-(1,2,2-trimethylpropyl) ester (trimethylpropyl- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> CH <sub>17</sub> O <sub>3</sub> P	100 µg/mL in methanol	1.2 mL	¥149,000
CLM-3712-1.2	Metolachlor (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>9</sub> H <sub>22</sub> ClNO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥209,000
ULM-7314-1.2	Metolachlor (unlabeled)	C <sub>15</sub> H <sub>22</sub> ClNO <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4813-1.2	Mirex ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> Cl <sub>11</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
CLM-2078-1	Mirex ( <sup>13</sup> C <sub>8</sub> , 99%)	*C <sub>8</sub> C <sub>2</sub> Cl <sub>12</sub>	200 µg/mL in toluene	1 mL	¥167,000
ULM-2427-1.2	Mirex (unlabeled)	C <sub>10</sub> Cl <sub>12</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-2427-0.1			neat	0.1 g	¥53,000
CLM-4811-1.2	cis-Nonachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7445-1.2	cis-Nonachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4735-1.2	trans-Nonachlor ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-7229-1.2	trans-Nonachlor (unlabeled)	C <sub>10</sub> H <sub>5</sub> Cl <sub>9</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-4729-1.2	Oxychlordane ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>4</sub> Cl <sub>8</sub> O	100 µg/mL in nonane	1.2 mL	¥299,000
ULM-6139-1.2	Oxychlordane (unlabeled)	C <sub>10</sub> H <sub>4</sub> Cl <sub>8</sub> O	100 µg/mL in nonane	1.2 mL	¥29,000
ULM-6139-SM-1.2			100 µg/mL in methanol	1.2 mL	¥29,000
DLM-7150-1.2	Oxydemeton methyl (O,O-dimethyl-D <sub>6</sub> , 98%)	C <sub>6</sub> D <sub>6</sub> H <sub>9</sub> O <sub>4</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥113,000
ULM-8579-1.2	Oxydemeton methyl (unlabeled)	C <sub>6</sub> H <sub>15</sub> O <sub>4</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
CLM-4538-1.2	Oxypyrimidine (diazinon metabolite) (methyl-4,5,6- <sup>13</sup> C <sub>4</sub> , 99%)	*C <sub>4</sub> C <sub>4</sub> H <sub>12</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥149,000
ULM-7432-1.2	Oxypyrimidine (unlabeled)	C <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O	100 µg/mL in acetonitrile	1.2 mL	¥59,000
DLM-2970-1.2	Parathion (diethyl-D <sub>10</sub> , 98%)	C <sub>10</sub> D <sub>10</sub> H <sub>4</sub> NO <sub>5</sub> PS	100 µg/mL in nonane	1.2 mL	¥56,000
ULM-8144-1.2	Parathion (unlabeled)	NO <sub>2</sub> (C <sub>6</sub> H <sub>4</sub> )OP(=S)(OC <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-7930-1.2	Parlar 26 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-7828-1.2	Parlar 26 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8705-1.2	Parlar 32 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>11</sub> Cl <sub>7</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8665-1.2	Parlar 32 (unlabeled)	C <sub>10</sub> H <sub>11</sub> Cl <sub>7</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9005-1.2	Parlar 38 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8719-1.2	Parlar 39 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8767-1.2	Parlar 39 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9430-1.2	Parlar 40 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9431-1.2	Parlar 41 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
ULM-9432-1.2	Parlar 44 (unlabeled)	C <sub>10</sub> H <sub>10</sub> Cl <sub>8</sub>	10 µg/mL in nonane	1.2 mL	¥75,000



## Individual Pesticide and Pesticide Metabolite Standards

Catalog No.	Compound	Formula	Concentration	Amount	Price(¥)
CLM-7931-1.2	Parlar 50 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-7829-1.2	Parlar 50 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-7932-1.2	Parlar 62 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-7830-1.2	Parlar 62 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8720-1.2	Parlar 69 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8768-1.2	Parlar 69 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-8721-1.2	Parlar 70 ( <sup>13</sup> C <sub>10</sub> , 99%)	*C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥405,000
ULM-8769-1.2	Parlar 70 (unlabeled)	C <sub>10</sub> H <sub>9</sub> Cl <sub>9</sub>	10 µg/mL in nonane	1.2 mL	¥75,000
CLM-7322-1.2	<i>cis</i> -Permethrin (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> CO <sub>2</sub> C <sub>7</sub> H <sub>9</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥71,000
ULM-8526-1.2	<i>cis</i> -Permethrin (unlabeled)	C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> CO <sub>2</sub> C <sub>7</sub> H <sub>9</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥23,000
CLM-7323-1.2	<i>trans</i> -Permethrin (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> CO <sub>2</sub> C <sub>7</sub> H <sub>9</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥71,000
ULM-8527-1.2	<i>trans</i> -Permethrin (unlabeled)	C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> CO <sub>2</sub> C <sub>7</sub> H <sub>9</sub> Cl <sub>2</sub> O <sub>3</sub>	50 µg/mL in nonane	1.2 mL	¥23,000
CLM-4542-1.2	3-Phenoxybenzoic acid (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> H	100 µg/mL in nonane	1.2 mL	¥113,000
CLM-4542-SA-1.2	3-Phenoxybenzoic acid (unlabeled)	C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> H	100 µg/mL in acetonitrile	1.2 mL	¥113,000
ULM-6781-1.2	3-Phenoxybenzoic acid (unlabeled)	C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> H	100 µg/mL in nonane	1.2 mL	¥38,000
ULM-6781-SA-1.2	3-Phenoxybenzoic acid (unlabeled)	C <sub>6</sub> H <sub>5</sub> OC <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> H	100 µg/mL in acetonitrile	1.2 mL	¥38,000
CLM-3733-1.2	<i>o</i> -Phenylphenol (phenyl- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>10</sub> O	100 µg/mL in nonane	1.2 mL	¥135,000
ULM-7396-1.2	<i>o</i> -Phenylphenol (unlabeled)	C <sub>12</sub> H <sub>9</sub> OH	100 µg/mL in nonane	1.2 mL	¥29,000
CLM-3748-1.2	<i>p</i> -Phenylphenol (phenyl- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>6</sub> H <sub>10</sub> O	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
CLM-4544-1.2	Phorate (diethoxy- <sup>13</sup> C <sub>4</sub> , 99%)	(*C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> P(S)SCH <sub>2</sub> SC <sub>2</sub> H <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥113,000
ULM-7567-1.2	Phorate (unlabeled)	(C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> P(S)SCH <sub>2</sub> SC <sub>2</sub> H <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
DLM-4667-1.2	Phosmet (dimethyl-D <sub>6</sub> , 98%)	C <sub>11</sub> H <sub>6</sub> D <sub>6</sub> NO <sub>4</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥113,000
ULM-8454-1.2	Phosmet (unlabeled)	C <sub>11</sub> H <sub>12</sub> NO <sub>4</sub> PS <sub>2</sub>	100 µg/mL in acetonitrile	1.2 mL	¥29,000
CLM-3738-1.2	Propazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>6</sub> H <sub>16</sub> ClN <sub>5</sub>	100 µg/mL in methanol	1.2 mL	¥188,000
ULM-8304-1.2	Propazine (unlabeled)	C <sub>9</sub> H <sub>16</sub> ClN <sub>5</sub>			お問い合わせ
DLM-7141-1.2	Propoxur (isopropyl-D <sub>7</sub> , 98%)	C <sub>11</sub> D <sub>7</sub> H <sub>8</sub> NO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
ULM-9765-1.2	Propoxur (unlabeled)	C <sub>11</sub> H <sub>15</sub> NO <sub>3</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
CLM-3739-1.2	Simazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	*C <sub>3</sub> C <sub>4</sub> H <sub>12</sub> ClN <sub>5</sub>	100 µg/mL in methanol	1.2 mL	¥188,000
CLM-3739-A-1.2	Simazine (unlabeled)	C <sub>7</sub> H <sub>12</sub> ClN <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
ULM-7893-1.2	Simazine (unlabeled)	C <sub>7</sub> H <sub>12</sub> ClN <sub>5</sub>	100 µg/mL in methanol	1.2 mL	¥29,000
ULM-7893-A-1.2	Simazine (unlabeled)	C <sub>7</sub> H <sub>12</sub> ClN <sub>5</sub>	100 µg/mL in acetonitrile	1.2 mL	お問い合わせ
CDLM-7943-1.2	Sodium monofluoroacetate ( <sup>13</sup> C <sub>2</sub> , 99%; 2,2-D <sub>2</sub> , 98%)	F*CD <sub>2</sub> *CO <sub>2</sub> Na	1 mg/mL in water	1.2 mL	お問い合わせ
ULM-9674-1.2	Sodium monofluoroacetate (unlabeled)	FCH <sub>2</sub> CO <sub>2</sub> Na	1 mg/mL in water	1.2 mL	お問い合わせ
DLM-380-1.2	Styrene (D <sub>8</sub> , 98%) + BHT	C <sub>6</sub> D <sub>5</sub> CD=CD <sub>2</sub>	100 µg/mL in nonane	1.2 mL	お問い合わせ
CNLM-9869-1.2	Sulfoxaflor (cyano- <sup>13</sup> C, 99%; cyano- <sup>15</sup> N, imine- <sup>15</sup> N, 98%)	*CC <sub>9</sub> H <sub>10</sub> F <sub>3</sub> *N <sub>2</sub> NOS	100 µg/mL in methanol	1.2 mL	お問い合わせ
ULM-9870-1.2	Sulfoxaflor (unlabeled)	C <sub>10</sub> H <sub>10</sub> F <sub>3</sub> N <sub>2</sub> NOS	100 µg/mL in methanol	1.2 mL	お問い合わせ
CLM-4543	Terbufos (diethoxy- <sup>13</sup> C <sub>4</sub> , 99%)	C(CH <sub>3</sub> ) <sub>3</sub> SCH <sub>2</sub> SP(S)(O*CH <sub>2</sub> *CH <sub>3</sub> ) <sub>2</sub>			お問い合わせ
CLM-9690-1.2	3-Tetrahydrofuroic acid ( <sup>13</sup> C <sub>5</sub> , 99%)	*C <sub>5</sub> H <sub>8</sub> O <sub>3</sub>	100 µg/mL in MTBE	1.2 mL	¥135,000
ULM-9691-1.2	3-Tetrahydrofuroic acid (unlabeled)	C <sub>5</sub> H <sub>8</sub> O <sub>3</sub>	100 µg/mL in MTBE	1.2 mL	¥29,000
CLM-9652-1.2	Thiacloprid (pyridylmethyl- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>4</sub> H <sub>9</sub> ClN <sub>4</sub> S	100 µg/mL in methanol	1.2 mL	¥149,000
ULM-9733-1.2	Thiacloprid (unlabeled)	C <sub>10</sub> H <sub>9</sub> ClN <sub>4</sub> S	100 µg/mL in methanol	1.2 mL	¥29,000
CNLM-9860-1.2	Thiamethoxam (thiazole- <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N, 98%)	*C <sub>3</sub> C <sub>5</sub> H <sub>10</sub> Cl*NN <sub>4</sub> O <sub>3</sub> S			お問い合わせ
ULM-9939-1.2	Thiamethoxam (unlabeled)	C <sub>8</sub> H <sub>10</sub> ClN <sub>5</sub> O <sub>3</sub> S			お問い合わせ
CLM-4551-1.2	2,4,5-Trichlorophenoxyacetic acid (2,4,5-T) (ring- <sup>13</sup> C <sub>6</sub> , 99%)	*C <sub>6</sub> C <sub>2</sub> H <sub>5</sub> Cl <sub>3</sub> O <sub>3</sub>	100 µg/mL in MeCl	1.2 mL	¥119,000
ULM-7213-1.2	2,4,5-Trichlorophenoxyacetic acid (2,4,5-T) (unlabeled)	C <sub>6</sub> H <sub>2</sub> Cl <sub>3</sub> OCH <sub>2</sub> CO <sub>2</sub> H	100 µg/mL in MeCl	1.2 mL	¥29,000
CLM-9049-1.2	3,5,6-Trichloro-2-pyridinol (TCPY) (4,5,6- <sup>13</sup> C <sub>3</sub> , 99%) CP 97%	*C <sub>3</sub> C <sub>2</sub> H <sub>2</sub> Cl <sub>3</sub> NO	100 µg/mL in acetonitrile	1.2 mL	¥105,000
ULM-9204-1.2	3,5,6-Trichloro-2-pyridinol (TCPY) (unlabeled)	C <sub>5</sub> H <sub>2</sub> Cl <sub>3</sub> NO	100 µg/mL in acetonitrile	1.2 mL	¥38,000
DLM-4479-1.2	Trifluralin (di- <i>n</i> -propyl-D <sub>14</sub> , 98%)	C <sub>13</sub> D <sub>14</sub> H <sub>2</sub> F <sub>3</sub> N <sub>3</sub> O <sub>4</sub>	100 µg/mL in nonane	1.2 mL	¥98,000
ULM-7236-1.2	Trifluralin (unlabeled)	C <sub>13</sub> H <sub>14</sub> H <sub>2</sub> F <sub>3</sub> N <sub>3</sub> O <sub>4</sub>	100 µg/mL in nonane	1.2 mL	¥29,000



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