Analysis of Mesalazine
(Under the Condition of the draft for the Japanese Pharmacopoeia 17th edition supplement I, (7) Aniline)
Data No. LB436-0894

**Standard solution**
1-a. Aniline sulfate 30.5 μg/L

- Theoretical plates: 7,278 (≧ 3,000)
- Tailing factor: 1.27 (≦ 2.0)
- RSD of the peak area (%)(n=6): 1.20 (≦ 2.0)

**Sample solution**
1-b. Aniline sulfate

**Conditions**
- System: GL7700 HPLC system
- Column: InertSustain C18 (5 μm, 250 x 4.6 mm I.D.)
- Column Cat. No.: 5020-07346
- Eluent: A) CH₃CN
  B) Buffer*
  A/B = 50/50, v/v
- Flow Rate: 1.05 mL/min
- Col. Temp.: 40 °C
- Detection: FL Ex 280 nm Em 340 nm (FL7753 FL Detector)
- Injection Vol.: 100 μL
- Sample: Standard

*Dissolve 9.52 g of sodium acetate trihydrate in a suitable amount of water, add 1.72 mL of acetic acid (100), then add water to make 1000 mL, and adjust to pH 5.0 with acetic acid (100) or dilute sodium hydroxide TS.