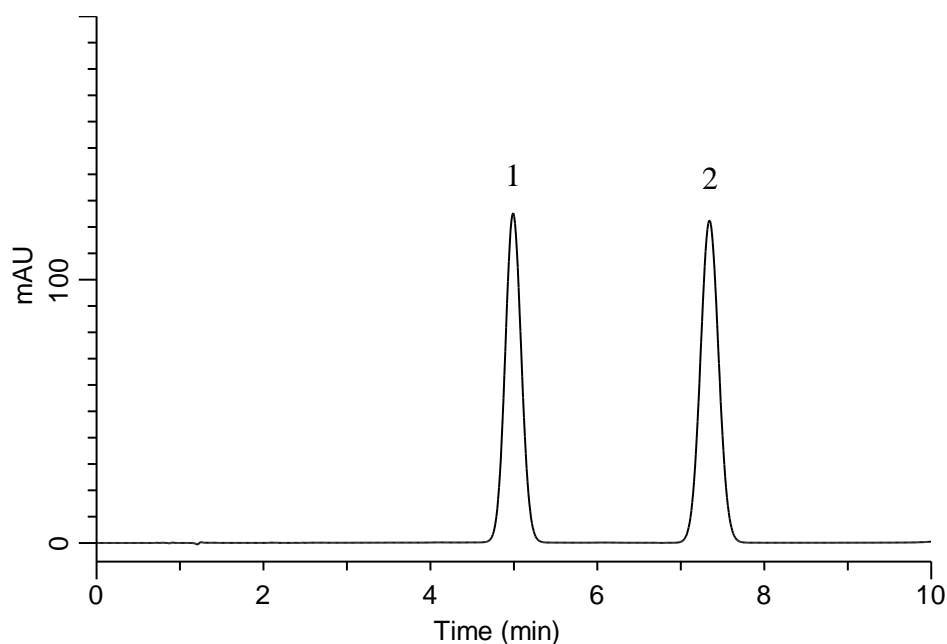


Analysis of Pazufloxacin mesilate

(Under the Condition of the Japanese Pharmacopoeia 18th edition)



Conditions

System : GL7700 HPLC system
Column : Inertsil ODS-3
 (10 μ m, 250 x 4.0 mm I.D.)
Column Cat. No. : 5020-87018
Eluent : Buffer*
Flow Rate : 2.4 mL/min
Col. Temp. : 25 °C
Detection : UV 254 nm (PD7752 PDA Detector)
Injection Vol. : 10 μ L
Sample : Standard

Analyte:

1. Pazufloxacin mesilate 130 mg/L
 2. Acetanilide 150 mg/L

Resolution (1, 2) : 6.0 (≥ 3)
 RSD of the peak
 area ratio of
 2 to 1 (%) (n=6) : 0.15 (≤ 1.0)

*To 200 mL of water add gradually 30 mL of methanesulfonic acid while ice-cooling, then add 30 mL of triethylamine in the same manner, add water to make 300 mL.

To 50 mL of this solution add 150 mL of acetonitrile, 35 mL of 1 mol/L dipotassium hydrogen phosphate TS for buffer solution and water to make 1000 mL.