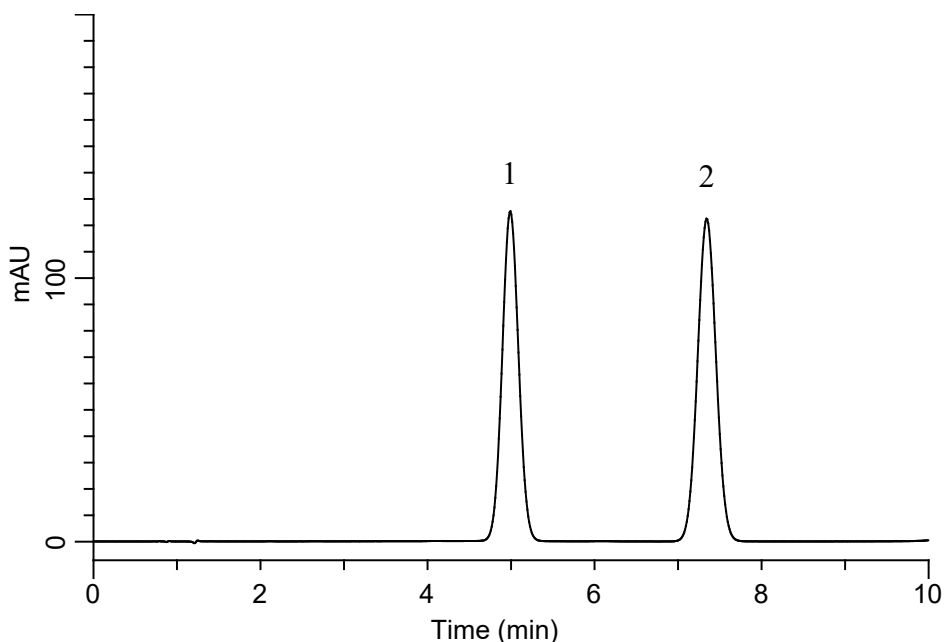


### Analysis of Pazufloxacin mesilate

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

Data No. LB445-0894



#### Conditions

**System** : GL7700 HPLC system  
**Column** : Inertsil ODS-3  
(10  $\mu$  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  $\mu$  L  
**Sample** : Standard

#### Analyte:

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

Resolution (1, 2) : 6.0 ( $\geq 3$ )  
RSD of the peak  
area ratio of  
2 to 1 (n=6) : 0.15 ( $\leq 1.0$ )

\*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.