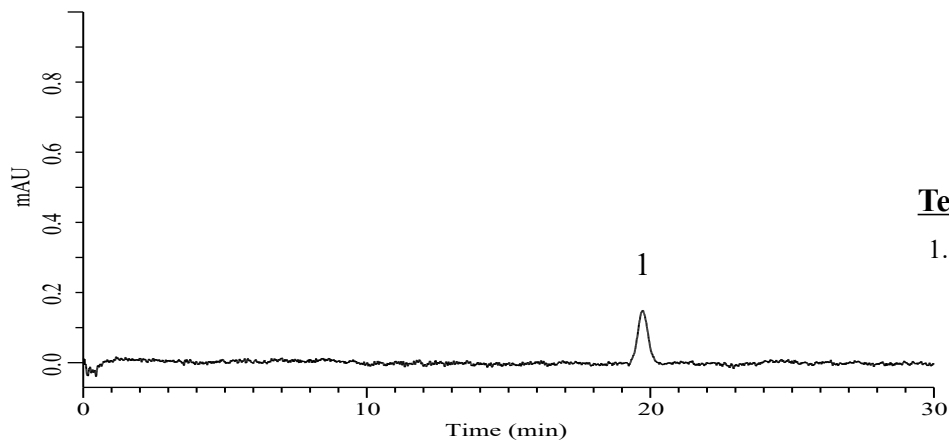


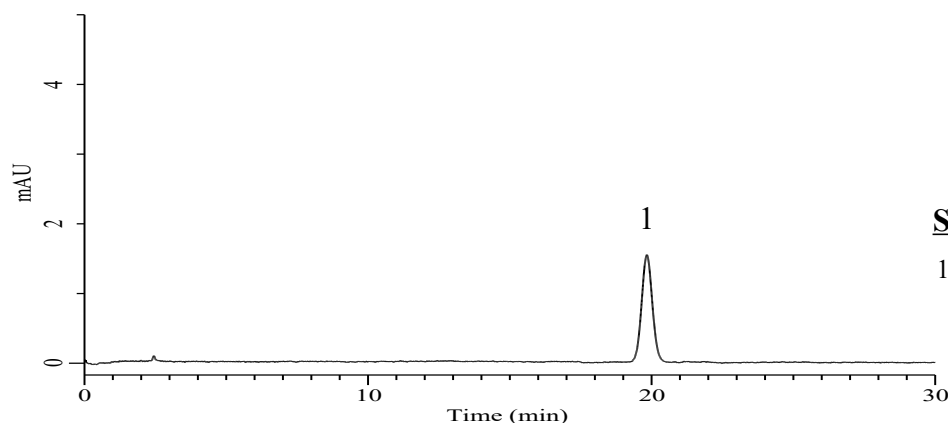
Analysis of Lornoxicam

(Under the Condition of the draft for JP, Lornoxicam Tablets, Purity Related substances)



Test for required detectability

1. Lornoxicam 0.04 μ g/mL



Standard solution

1. Lornoxicam 0.4 μ g/mL

Conditions

System : Chromaster PLUS HPLC system (HITACHI)
Column : Inertsil ODS-4 (GL Sciences Inc.)
 (5 μ m, 150 x 4.0 mm I.D.)
Column Cat. No. : 5020-03935
Eluent : A) CH₃CN
 B) Buffer*
 A/B = 700/1300, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 50 °C
Detection : UV 280 nm
Injection Vol. : 10 μ L
Sample : Standard

Analyte:

1. Lornoxicam 0.4 μ g/mL
 Tailing factor : 1.05 (\leq 1.5)
 Theoretical plates number : 13132 (\geq 10000)
 RSD of the peak area (‰)(n=6) : 1.31 (\leq 1.5)

*: Dissolve 4.2 g of tetra-n-butylammonium bromide, 4.6 g of disodium hydrogen phosphate dodecahydrate, and 4.4 g of potassium dihydrogen phosphate in 1300 mL water.