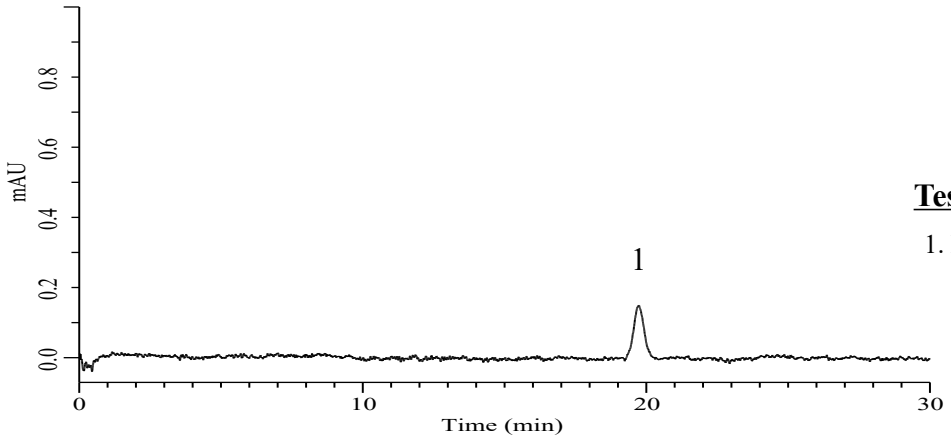
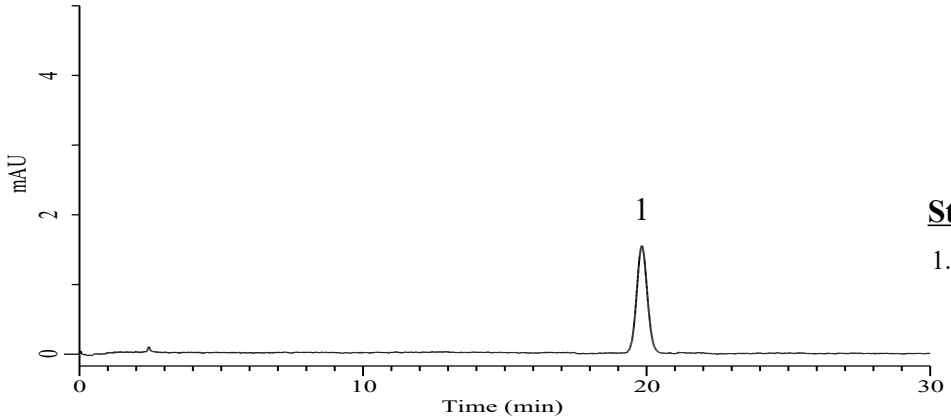
Analysis of Lornoxicam

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



Test for required detectability

1. Lornoxicam 0.04 μg/mL



Standard solution

1. Lornoxicam 0.4 μg/mL

Conditions

System	:	Chromaster PLUS HPLC system (HITACHI)
Column	:	Inertsil ODS-4 (GL Sciences Inc.) (5 μm, 150 x 4.0 mm I.D.)
Column Cat. No.	:	5020-03935
Eluent	:	A) CH_3CN 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 μL
Sample	:	Standard

Analyte:

1. Lornoxicam 0.4 μg/mL

Tailing factor : 1.05 (≦1.5)

Theoretical plates number : 13132 (≧10000)

RSD of the peak area (%)(n=6) : 1.31 (≦ 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.