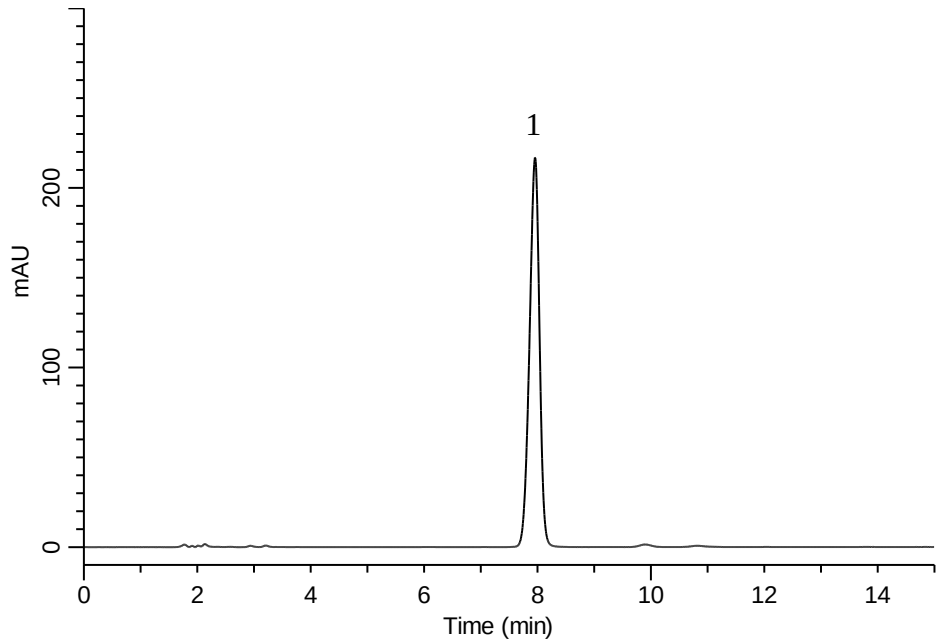
Analysis of Clopidogrel sulfate

(Under the Condition of the Japanese Pharmacopoeia)



Conditions

System : GL-7400 HPLC system
Column : Inertsil WP300 C18
(5 μm, 150 x 3.9 mm I.D.)
Column Cat. No. : 5020-
Eluent : A) 0.87 g/L IPCC-05 in H_2O (pH 2.5, H_3PO_4)/CH_3OH= 19/1, v/v
(IPCC-05: Sodium 1-Pentanesulfonate)
B) CH_3CN/CH_3OH = 19/1, v/v
A/B = 60/40, v/v
Flow Rate : 0.8 mL/min
Col. Temp. : 30 ℃
Detection : UV 220 nm (GL-7452 PDA Detector)
Injection Vol. : 10 μL
Sample : Standard

Analyte:

1. Clopidogrel sulfate	126 mg/L

Theoretical plates	: 9,973 (≧ 4,500)
Tailing factor	: 0.91 (≦ 2.0)
RSD of the peak area (%)(n=6)	: 0.18 (≦ 1.0)