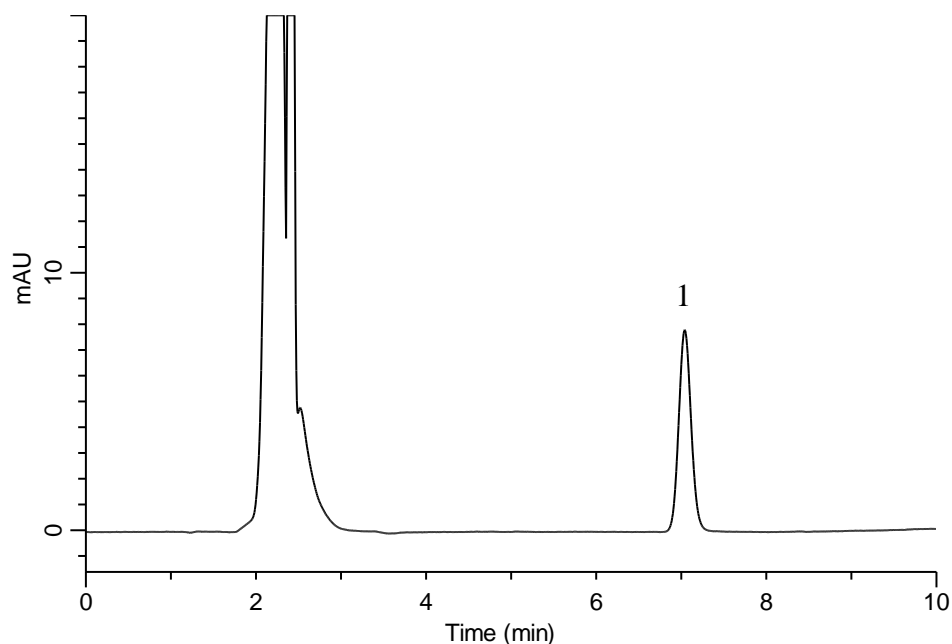


Analysis of Brotizolam

(Under the Condition of the Japanese Pharmacopoeia, Brotizolam tablets)



Conditions

System : GL-7400 HPLC system
Column : Inertsil WP300 C18
 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-05845
Eluent : A) CH₃CN
 B) H₂O
 A/B = 37/63, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 30 °C
Detection : UV 240 nm (GL-7452 PDA Detector)
Injection Vol. : 200 μ L
Sample : Standard

Analyte:

1. Brotizolam 140 μ g/L

Theoretical plates : 11,204 (\geq 2,000)
 Tailing factor : 1.09 (\leq 2.0)
 RSD of the
 peak area (%) (n=6) : 0.62 (\leq 2.0)