

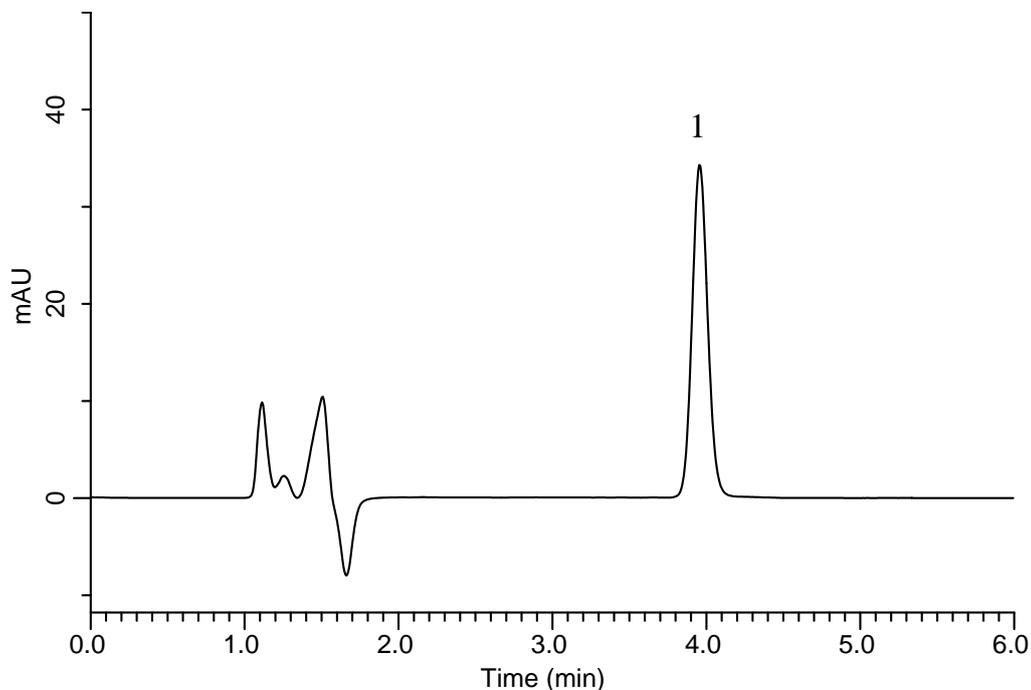
InertSearch™ for LC

Inertsil® Applications

Analysis of Donepezil hydrochloride

(Under the Condition of Japanese Pharmacopoeia, Donepezil hydrochloride tablets)

Data No. LB102-0894



Conditions

System : GL-7400 HPLC system
Column : Inertsil ODS-2 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-01124
Eluent : A) CH₃CN
 : B) H₂O
 : C) HClO₄
 : A/B/C = 350/650/1, v/v/v
Flow rate : 1.25 mL/min
Col. Temp. : 35 °C
Detection : UV 271 nm (GL-7452A PDA Detector)
Injection Vol. : 50 μ L
Sample : Standard

Analyte:

1. Donepezil hydrochloride 3.3 mg/L

Theoretical plates : 7,311 (\geq 5,000)
Tailing factor : 1.08 (\leq 1.5)
RSD of the
peak area (%) (n=6) : 0.37 (\leq 1.0)