

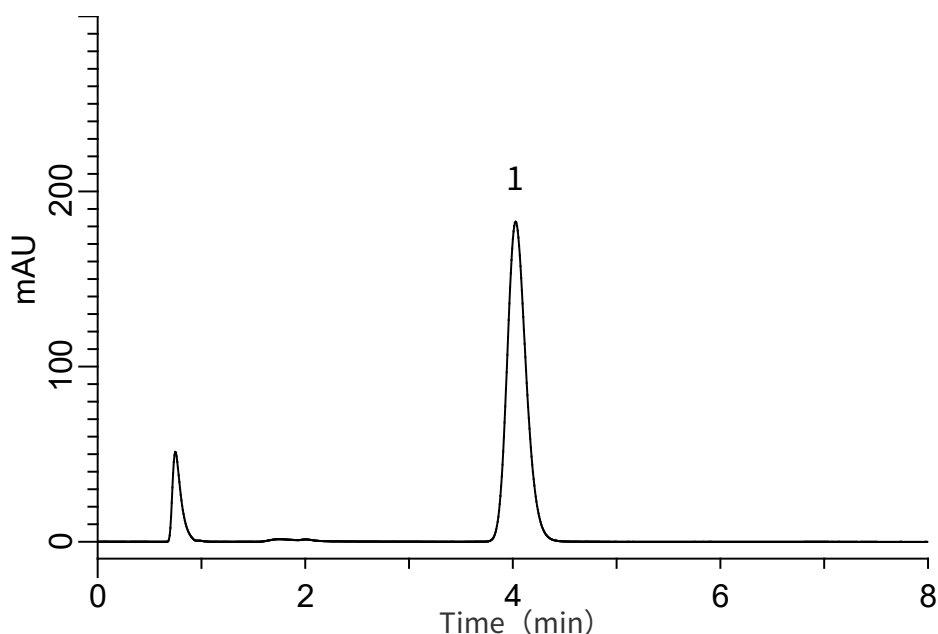
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Inertsil® Applications

Analysis of Quetiapine fumarate

(Under the Condition of the Japanese Pharmacopoeia, Quetiapine fumarate Tablets)

Data No. LB251-0894



Conditions

System : GL-7400 HPLC system
Column : Inertsil C8-4
(5 μ m, 80 x 4.0 mm I.D.)
Column Cat. No. : 5020-87022
Eluent : A) CH₃CN
B) CH₃OH
C) 20 mM (NH₄)₂HPO₄
A/B = 7/54/39, v/v/v
Flow Rate : 0.95 mL/min
Col. Temp. : 25 °C
Detection : UV 230 nm (GL-7452 PDA Detector)
Injection Vol. : 50 μ L
Sample : Standard

Analyte:

1. Quetiapine fumarate 16 mg/L
Theoretical plates : 2,363 ($\geq$ 1,400)
Tailing factor : 1.19 ($\leq$ 1.5)
RSD of the
peak area (%) (n=6) : 0.13 ($\leq$ 2.0)