

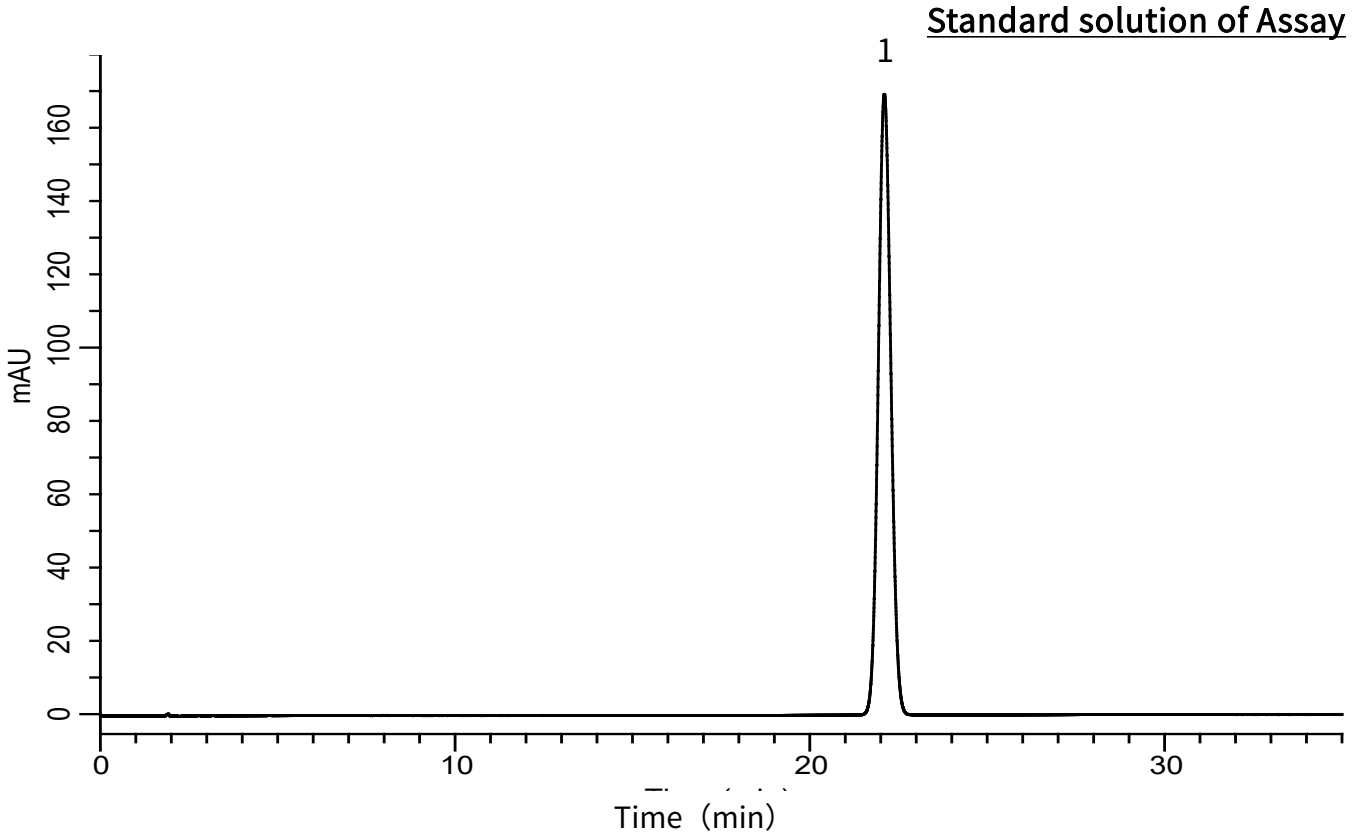
InertSearch™ for LC

Inertsil® Applications

Analysis of Mirtazapine

(Under the Condition of draft for USP, Mirtazapine Compounded Oral Suspension,
Veterinary)

Data No. LB555-0812



Conditions

System : GL7700 HPLC system
Column : Inertsil ODS-3 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-01732
Eluent : Buffer*
Flow rate : 1.5 mL/min
Col. Temp. : 60 °C
Detection : UV 295 nm (UV7750 UV Detector)
Injection Vol. : 10 μ L
Sample : Standard

Analyte:

1. Mirtazapine 500 mg/L

Symmetry factor (1) : 1.06 (< 2.0)
RSD of the peak area of 1 (%) (n=6) : 0.18 (< 2.0)

*Add 23.5 mL of 25% tetramethylammonium hydroxide solution to 626.5 mL of water.
Adjust with phosphoric acid to a pH of 7.4. Add 150 mL of acetonitrile, 125 mL of methanol,
and 75 mL of tetrahydrofuran.