

InertSearch™ for LC

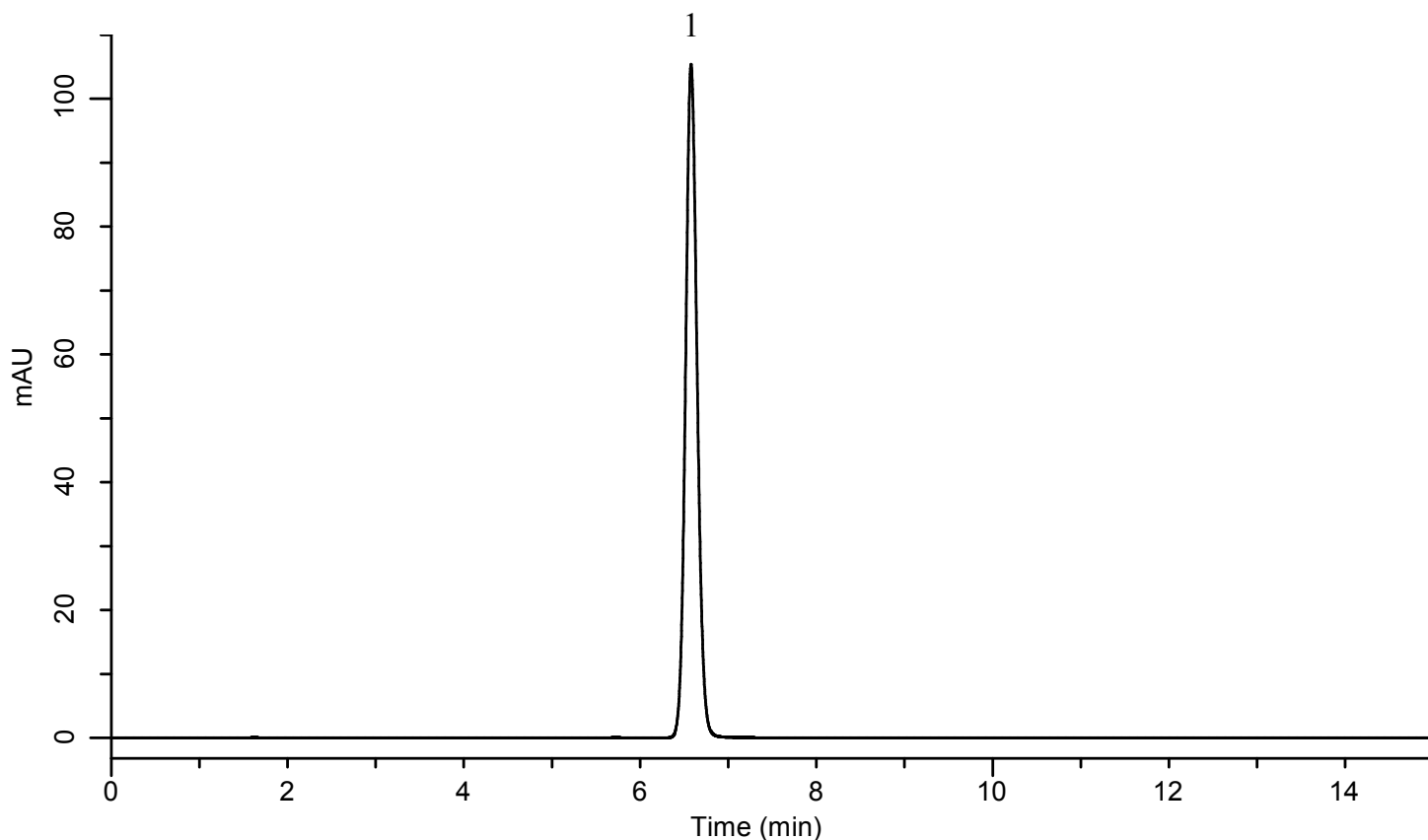
Inertsil™ Applications

Analysis of Mirtazapine

(Under the Condition of USP41-NF36, Mirtazapine Orally Disintegrating Tablets)

Data No. LB554-0812

Standard solution of Assay



Conditions

System : GL7700 HPLC system
Column : InertSustainSwift C18 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-88026
Eluent : CH₃CN/Buffer* = 25/75, v/v
Flow rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 290 nm (UV7750 UV Detector)
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. Mirtazapine 36 mg/L

Symmetry factor (1) : 1.09 (< 2.0)

RSD of the peak area of 1 (%) (n=6)

: 0.04 (< 2.0)

*Dissolve 1 g of monobasic potassium phosphate and 1.7 g of pentanesulfonic acid sodium salt in 1 L of water.
Adjust with Diluted phosphoric acid to a pH of 4.7 \pm 0.1, and filter.