

InertSearch™ for LC

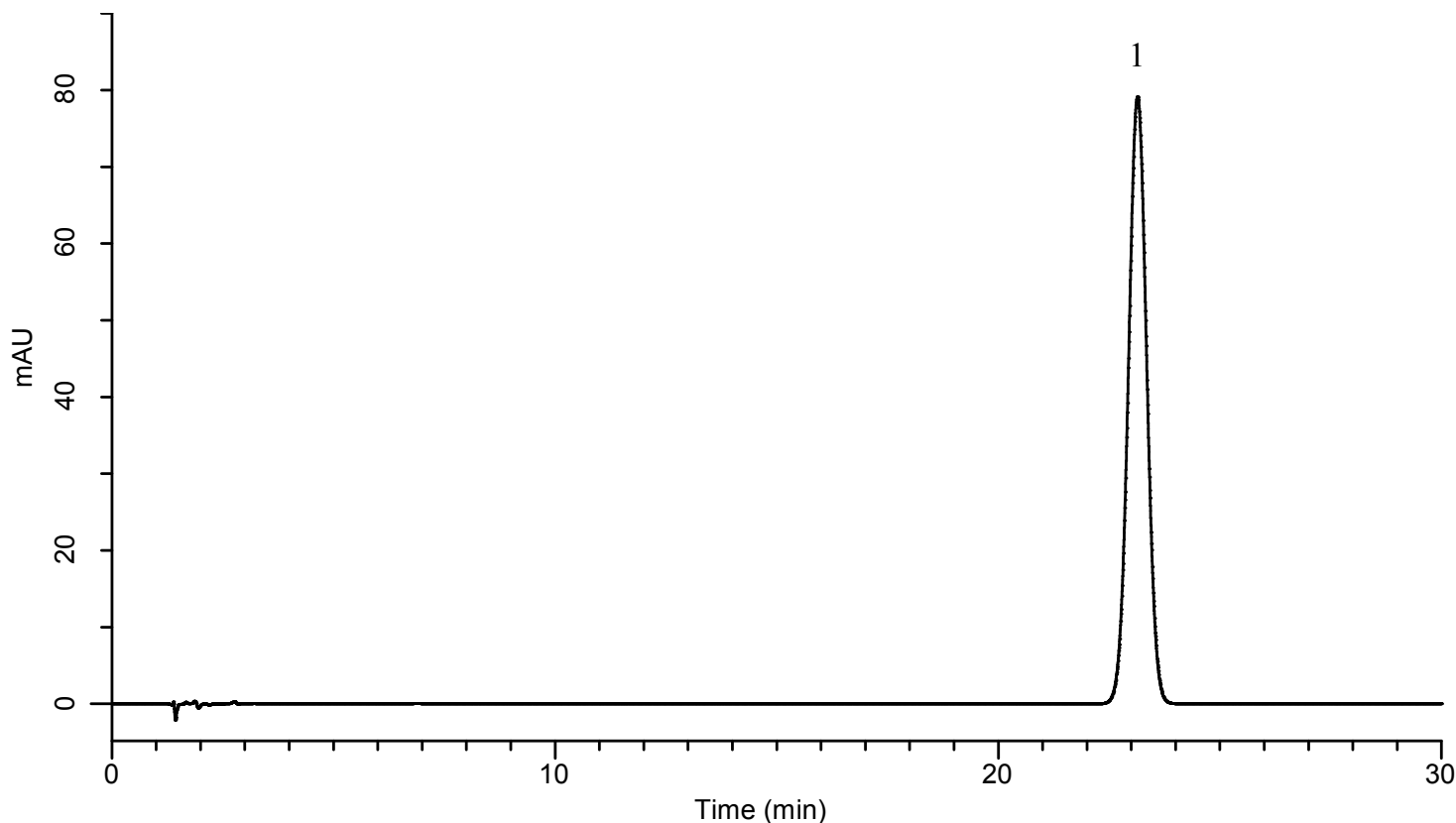
Inertsil™ Applications

Analysis of Mirtazapine

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

Data No. LB553-0812

Standard solution of Assay



Conditions

System	: GL7700 HPLC system	Analyte:	
Column	: InertSustain C18 (5 μ m, 250 x 4.6 mm I.D.)	1. Mirtazapine	300 mg/L
Column Cat. No.	: 5020-07346		
Eluent	: CH ₃ CN/CH ₃ OH/THF/Buffer* = 15/12.5/7.5/65, v/v		
Flow rate	: 1.5 mL/min		
Col. Temp.	: 40 °C	Theoretical plates (1)	: 14,327 (> 7,000)
Detection	: UV 290 nm (UV7750 UV Detector)	Symmetry factor (1)	: 1.01 (< 2.0)
Injection Vol.	: 10 μ L	RSD of the peak area of 1 (n=6)	
Sample	: Standard		: 0.05 (< 1.5)

*Dissolve 18.0 g of tetramethylammonium hydroxide pentahydrate in 950 mL of water.
Adjust with phosphoric acid to a pH of 7.4, and dilute with water to 1 L.