

CoreFocus
Report
No.178

LC

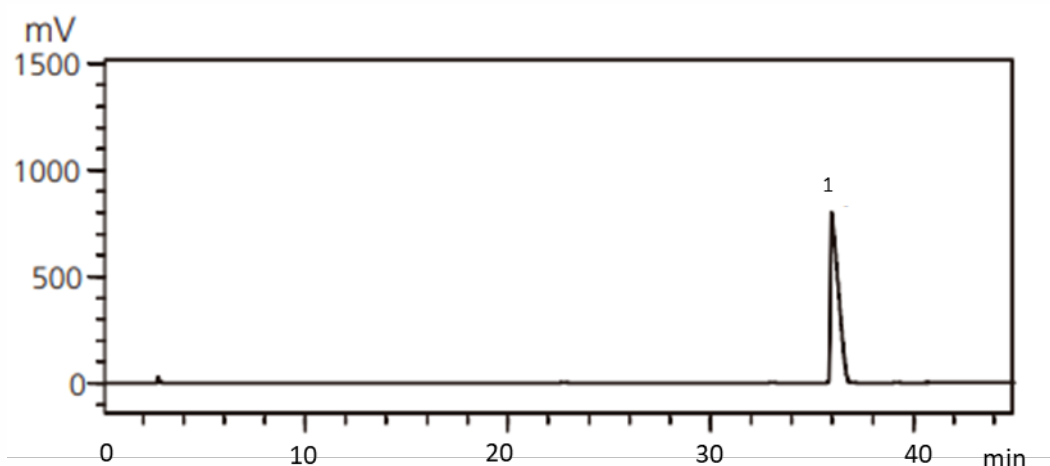
Reversed-phase

Shim-pack Series

Shim-pack™ VP-ODS

Analysis for Impurities of New-generation Antidepressant

Keywords: SNIR, USP, EP



1. Escitalopram
(0.5 mg/mL)

System	: Prominence™-i
Column	: Shim-pack VP-ODS (250 mm L. × 4.6 mm I.D., 5 μm), P/N : 228-34937-92
Flow rate	: 1.0 mL/min ※ 2.0 mL/min (45 - 60 min)
Mobile phase	: A) Acetonitrile / 25 mmol/L Phosphate (potassium) buffer (pH 3.0) (1/9) B) Acetonitrile / 25 mmol/L Phosphate (potassium) buffer (pH 3.0) (13/7)
Time program	: B. Conc. 5 % (0 min) → 35 % (35 min) → 100 % (45 - 60 min) → 5 % (60.1 - 68 min)
Column temp.	: 45 °C
Injection volume	: 20 μL
Detection	: UV 237 nm

※ For column washing and conditioning period

Source : Application News L466 ([JP](#), [ENG](#))

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