

CoreFocus
Report
No.75

LC

Reversed-phase

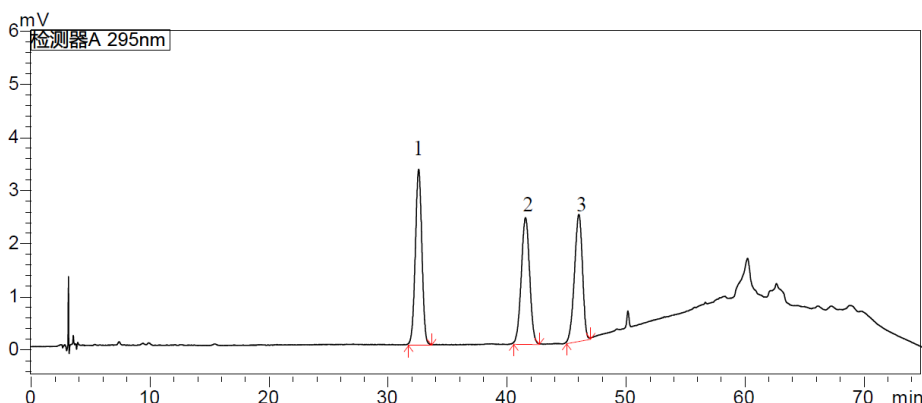
Shim-pack Series

Shim-pack™ VP-C8

Analysis of Paroxetine Hydrochloride

Keywords: antidepressant

Chromatogram of System Suitability Solution



1. Impurity I
2. Impurity II
3. Paroxetine Hydrochloride

System Suitability Solution

- a. Collect Paroxetine Hydrochloride, Defluparoxetine (Impurity I) and N-methyl Paroxetine (impurity II) standard substance.
- b. Add solvent tetrahydrofuran-water (1:9) to dissolve and dilute to make a mixed solution each containing 10 µg/mL as a system suitability solution

Column	: Shim-pack VP-C8 (250 mm x 4.6 mm I.D., 5 µm), P/N: 228-59927-92
Mobile phase	: A) Trifluoroacetic acid: Tetrahydrofuran: Water = (5: 100: 900) B) Trifluoroacetic acid: Tetrahydrofuran: Acetonitrile = (5: 100: 900) 15%B(0 min – 5 min) – 25%B(30 min) – 80%B(50 min – 60 min) – 15%B(65 min – 75 min)
Flow rate	: 1.0 mL/min
Column temp.	: 35°C
Injection vol.	: 20 µL
Vial	: SHIMADZU LabTotal™ Vial for LC/LCMS, P/N: 227-34001-01
Detection	: UV at 295 nm

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