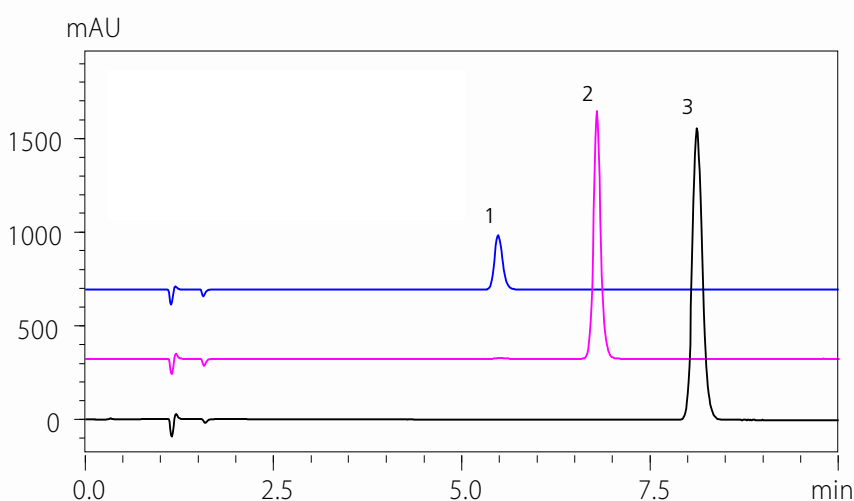


CoreFocus
Report
No.124

LC Reversed-phase Shim-pack Series

Shim-pack™ VP-ODS
Analysis of Ibuprofen and Its Related Substance

Keywords: NSAIDs, anti-inflammatory, cold medicine



1. Ibuprofen
2. Valerophenone
3. 4-Isobutylacetophenone (500 mg/L each)

System	: Prominence UFPLC™
Column	: Shim-pack VP-ODS (250 mm L. x 4.6 mm I.D., 5 μm), P/N : 228-34937-92
Mobile phase	: A: 1 % (wt/v) Chloroacetic acid aq. sol. (pH 3.0 adjusted with ammonium hydroxide) B: Acetonitrile A/B = 2/3 (v/v)
Flow rate	: 2.0 mL/min
Column temp	: 30 °C
Injection Vol.	: 10 μL
Detection	: UV 230 nm (Analytical cell)

Source : Application News L526 ([JP](#), [ENG](#))

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