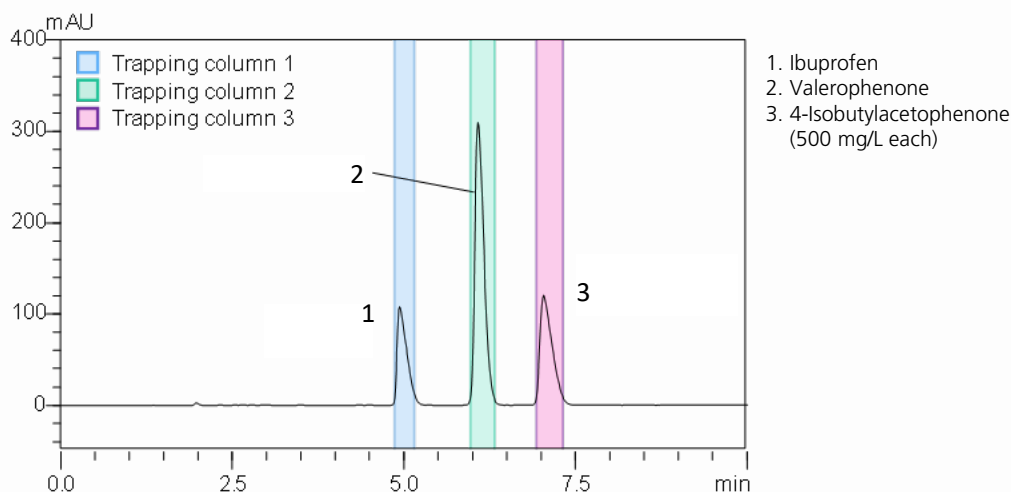


**CoreFocus**  
**Report**  
**No.123**

PREP   Reversed-phase   Shim-pack Series

**Shim-pack™ VP-ODS and Shim-pack C2P-H**  
**Preparative Purification of Ibuprofen**  
**and Its Related Substance**

**Keywords:** NSAIDs, anti-inflammatory, cold medicine



**Preparative LC conditions**

System : Prominence UFPLC™  
Column : Shim-pack VP-ODS, (250 mm L. × 10.0 mm I.D., 5 μm), P/N : 228-36849-94  
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 : 9.0 mL/min  
Column temp. : Ambient  
Injection vol. : 100 μL  
Detection : UV 230 nm (Prep cell)

**Rinse conditions**

Column : Shim-pack C2P-H, (30 mm L. × 20 mm I.D., 25 μm), P/N : 228-59932-91  
Rinse solvent : A: 2 % (v/v) Acetonitrile aq. sol., B: water  
Time program : A 15 mL/min (0-2 min) → A 8 mL/min (2.01-4 min) → B 8 mL/min (4.01-8 min)

**Elution conditions**

Eluent : Acetonitrile  
Flow rate : 4.5 mL/min  
Detection : UV 230 nm (prep cell)

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

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# Related Products

Some products may be updated to newer models.

HPLC Column Solutions - Reversed phase and Normal phase -

Shim-pack

> Shim-pack VP Series

HPLC Column

# Related Solutions

> Small Molecule  
Pharmaceutical

> 低分子医薬品

> Price Inquiry

> Product Inquiry

> Technical Service /  
Support Inquiry

> Other Inquiry