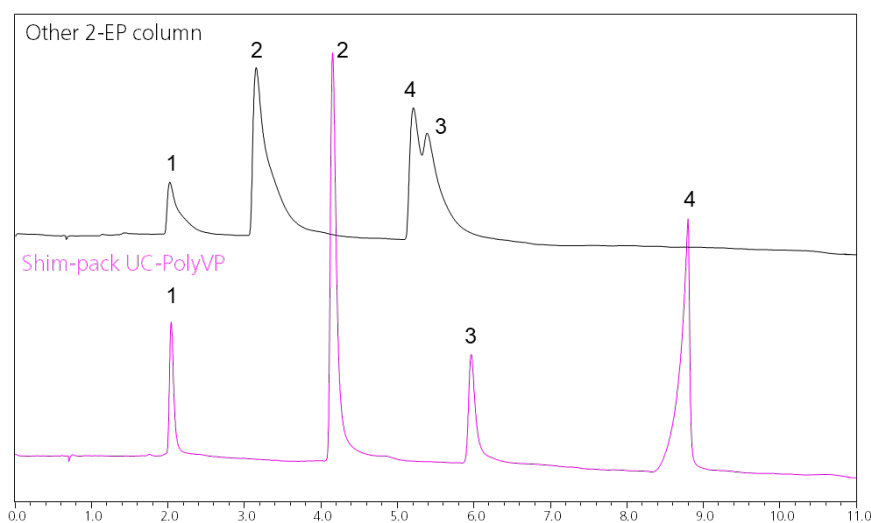


SFC

Shim-pack Series

## Shim-pack™ UC-PolyVP Analysis of Basic $\beta$ Blockers

**Keywords:** without Acid-base Additives,  $\beta$ -blockers, 13707-88-5 (CAS no.), 318-98-9 (CAS no.), 29122-68-7 (CAS no.), 13523-86-9 (CAS no.)



1. Alprenolol
  2. Propranolol
  3. Atenolol
  4. Pindolol
- (1000 mg/L each in methanol)

System	: Nexera™ UC
Column	: Shim-pack UC-PolyVP (150 mm x 4.6 mm I.D., 5 $\mu$ m) P/N :227-32509-01 (Japan), 227-32509-11 (except Japan)
Mobile phase	: A) CO <sub>2</sub> B) Methanol
Time program	: B conc. 10% (0 – 1.00 min) → 35% (11.00 min – 13.00 min) → 10% (15.00 min – 16.00 min)
Flow rate	: 3.0 mL/min
Column temp.	: 40 °C
Injection volume	: 2 $\mu$ L
BPR pressure	: 15 MPa (controller A), 40 MPa (controller B)
BPR temperature	: 50 °C
Detection	: UV 220 nm

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