

**CoreFocus**  
**Report**  
**No.72**

LC

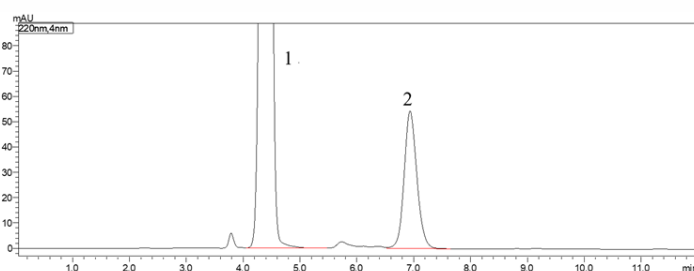
Reversed-phase

Shim-pack Series

**Shim-pack™ VP-ODS**  
**Analysis of Captopril tablet**

**Keywords: Hypertension**

Chromatogram of Standard Mix



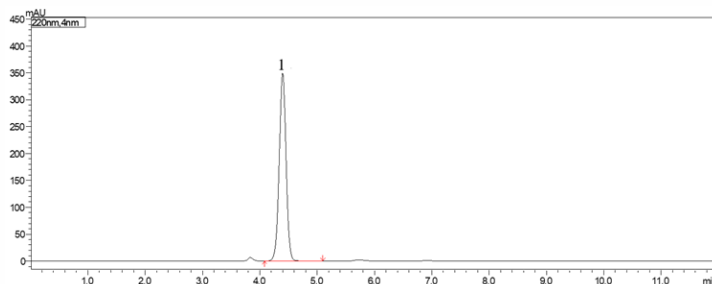
1. Captopril
2. Captopril disulfide

Standard Mix

Captopril (1 mg/mL in Mobile phase)

Captopril disulfide (0.05 mg/mL in Mobile phase)

Chromatogram of Captopril tablet



Pretreatment procedure

- a. Collect 20 tablets and grind to a fine powder.
- b. Weigh 25 mg of sample and transfer into a centrifuge tube.
- c. Add 25 ml of Mobile phase into centrifuge tube.
- d. Sonicate for 15 minutes.
- e. Centrifuge and collect the supernatant.

Column	: Shim-pack VP-ODS (250 mm x 4.6 mm I.D., 5 μm), P/N : 228-34937-92
Mobile phase	: Methanol : Water : Phosphoric acid = 550 : 450 : 0.5
Flow rate	: 1.0 mL/min
Column temp.	: 40°C
Injection vol.	: 20 μL
Vial	: SHIMADZU LabTotal™ Vial for LC/LCMS, P/N : 227-34001-01
Detection	: UV at 220 nm

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