SHIMADZU
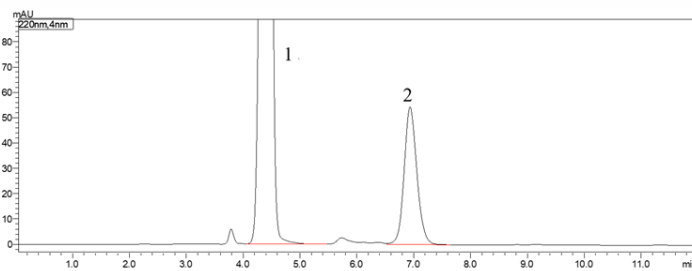## Excellence in Science

CoreFocus Report No.72

LC | Reversed-phase | Shim-pack Series

Shim-pack™ VP-ODS

Analysis of Captopril tablet

Keywords: Hypertension
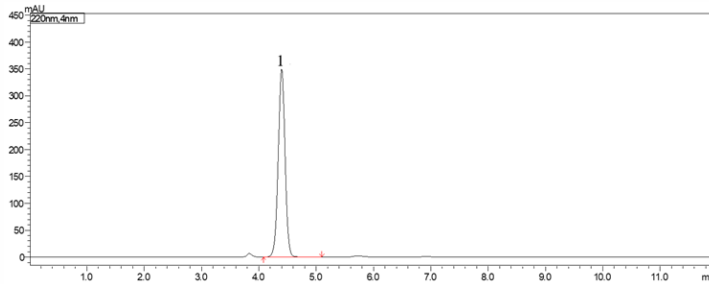
Chromatogram of Standard Mix

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℃
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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