

**CoreFocus**  
**Report**  
**No.45**

LC

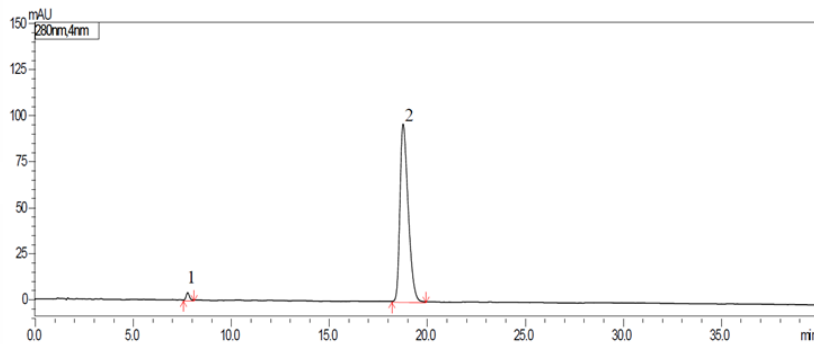
Reversed-phase

Shim-pack Series

**Shim-pack™ GIST C18**  
**Analysis of Desloratadine**

**Keywords:** H<sub>1</sub> antagonist

Chromatogram of Standard Mix



1. Impurity B
2. Desloratadine

**Pretreatment procedure**

- a. Weigh 20 mg of desloratadine crude drug.
- b. Transfer into a 25mL measuring flask.
- c. Dissolve and dilute to the mark with mobile phase.
- d. Shake well.
- e. Measure 5 mL, transfer into a 50 mL measuring flask.
- f. Dilute to the mark with mobile phase.
- g. Shake well.

Column	: Shim-pack GIST C18 (150 mm x 4.6 mm I.D., 5 μm), P/N : 227-30017-07
Mobile phase	: A) 0.865 g Sodium lauryl sulfonate + 0.5 mL trifluoroacetic acid + water (total solution volume : 1000 mL) B) Acetonitrile A : B = 57 : 43
Flow rate	: 1.0 mL/min
Column temp.	: 35°C
Injection vol.	: 20 μL
Vial	: LabTotal™ Vial for LC/LCMS, P/N : 227-34001-01
Detection	: UV at 280 nm

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