

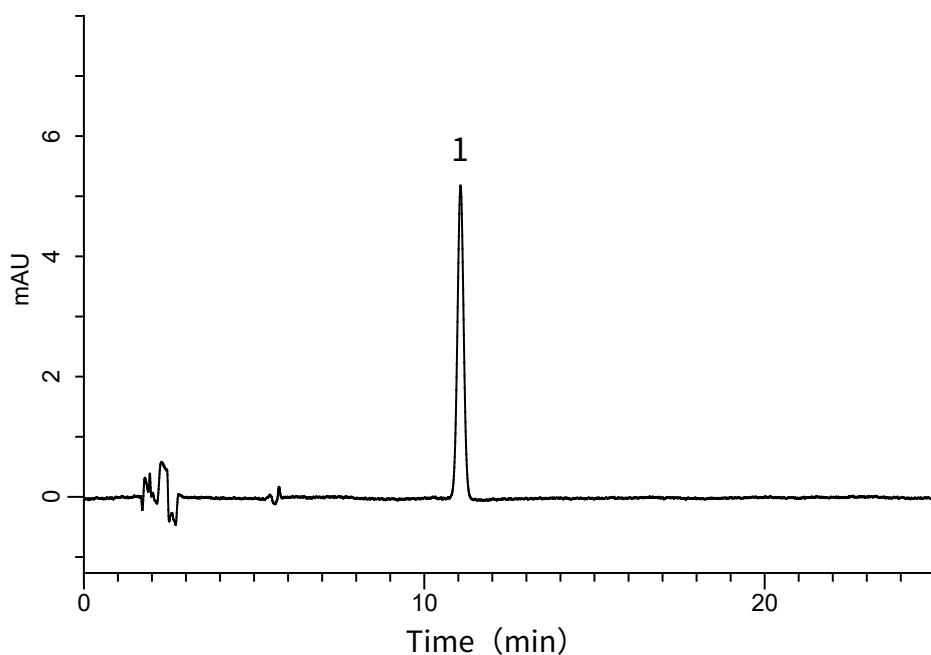
InertSearch™ for LC

Inertsil® Applications

Analysis of Olopatadine hydrochloride

(Under the Condition of Japanese Pharmacopoeia, Olopatadine hydrochloride Tablets)

Data No. LB055-0894



Conditions

System : GL-7400 HPLC system

Column : InertSustain C8
5 μ m, 250 $\times$ 4.6 mm I.D.)

Column Cat. No. : 5020-16028

Eluent : CH₃CN/50 mM KH₂PO₄ (pH 3.5, H₃PO₄) = 9/11, v/v
+ 2.3 g/L IPCC-12A
(IPCC-12A : Sodium 1-Dodecylsulfate)

Flow Rate : 1.1 mL/min

Col. Temp. : 40 °C

Detection : UV 299 nm (GL-7452 PDA Detector)

Injection Vol. : 50 μ L

Sample : Standard

Analyte:

1. Olopatadine hydrochloride 2.8 mg/L

Theoretical plates : 17083 $\geq$ 10000

Tailing factor : 1.01 $\leq$ 2.0

RSD of the peak area (%) : 1.47 $\leq$ 1.5 (n=6)