

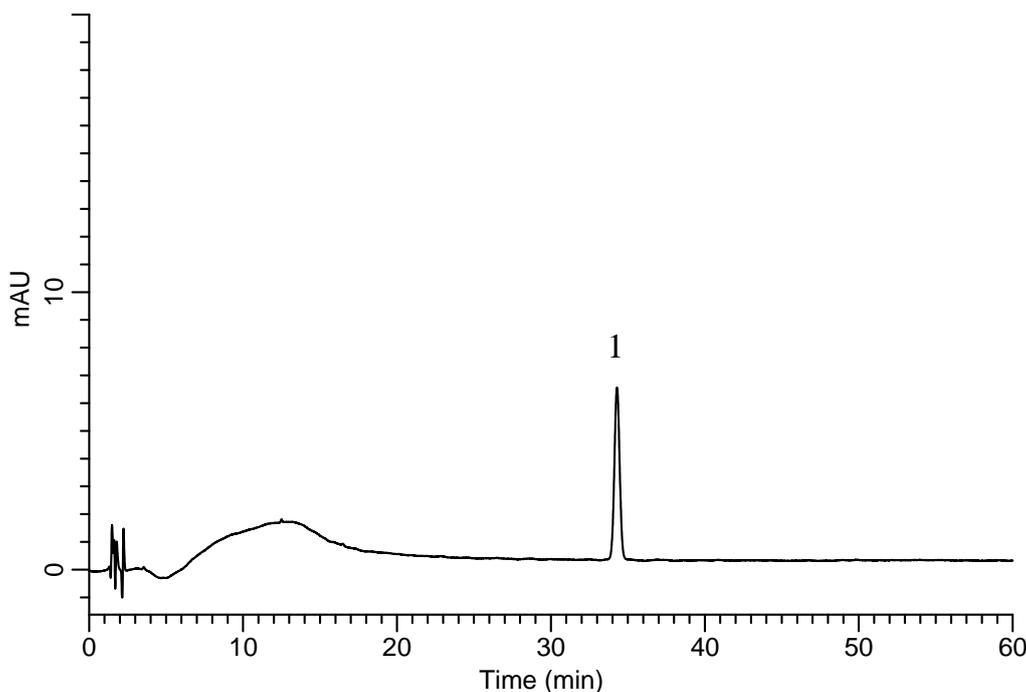
InertSearch™ for LC

Inertsil® Applications

Analysis of Butenafine hydrochloride

(Under the Condition of the Japanese Pharmacopoeia)

Data No. LB222-0894



Conditions

System : GL-7400 HPLC system
Column : InertSustain C18 HP
(3 μ m, 150 x 3.0 mm I.D.)
Column Cat. No. : 5020-14425
Eluent : A) 0.5 mM CH₃COONH₄
B) CH₃CN

Time(min)	A (vol%)	B (vol%)
0 ~ 10	60 → 20	40 → 80
10 ~ 60	20	80

Flow Rate : 0.4 mL/min
Col. Temp. : 40 °C
Detection : UV 217 nm (GL-7452 PDA Detector)
Injection Vol. : 10 μ L
Sample : Standard solution

Analyte:

1. Butenafine hydrochloride 0.6 mg/L

Theoretical plates : 46,323 (\geq 20,000)
Tailing factor : (0.9 \leq) 1.03 (\leq 1.2)
RSD of the
peak area (%) (n=6) : 0.63 (\leq 2.0)