

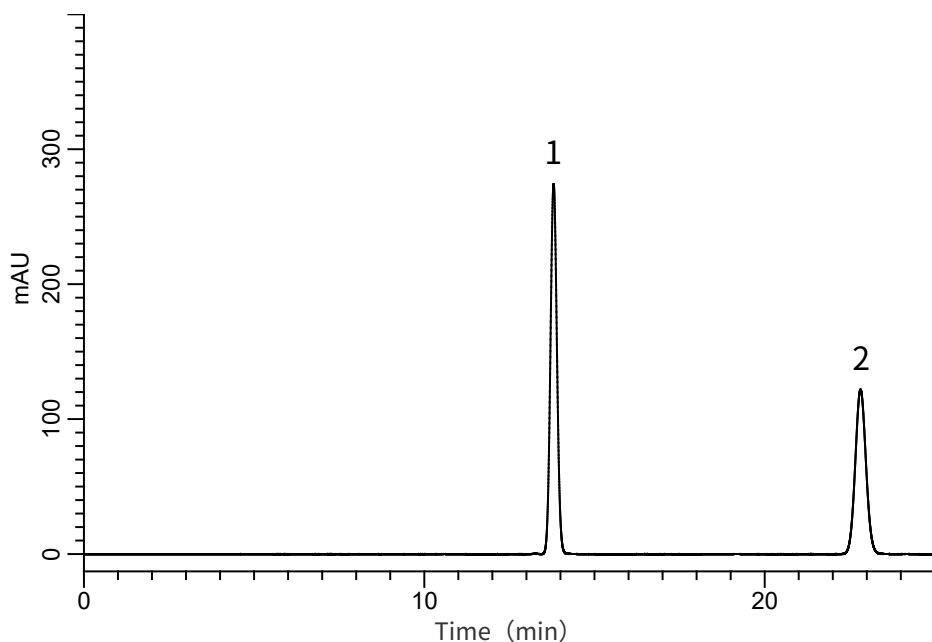
InertSearch™ for LC

Inertsil® Applications

Analysis of Cilnidipine

(Under the Condition of the Japanese Pharmacopoeia, Cilnidipine Tablets)

Data No. LB223-0894



Conditions

System : GL7700 HPLC system
Column : Inertsil ODS-4
(5 μ m, 300 x 6.0 mm I.D.)
Column Cat. No. : 5020-89609
Eluent : A) CH₃CN
B) Buffer*
A/B = 60/40, v/v
Flow Rate : 1.2 mL/min
Col. Temp. : 40 °C
Detection : UV 240 nm (UV7750 UV Detector)
Injection Vol. : 10 μ L
Sample : Standard

*Dissolve 3.58 g of Na₂HPO₄ · 12 H₂O in 1,000 mL of water.
Adjust pH 6.0 by phosphoric acid.

Analyte:

1. 4,4'-Difluorobenzophenone 200 mg/L
2. Cilnidipine 100 mg/L
Resolution (1, 2) : 19.5 ($\geq$ 15)