

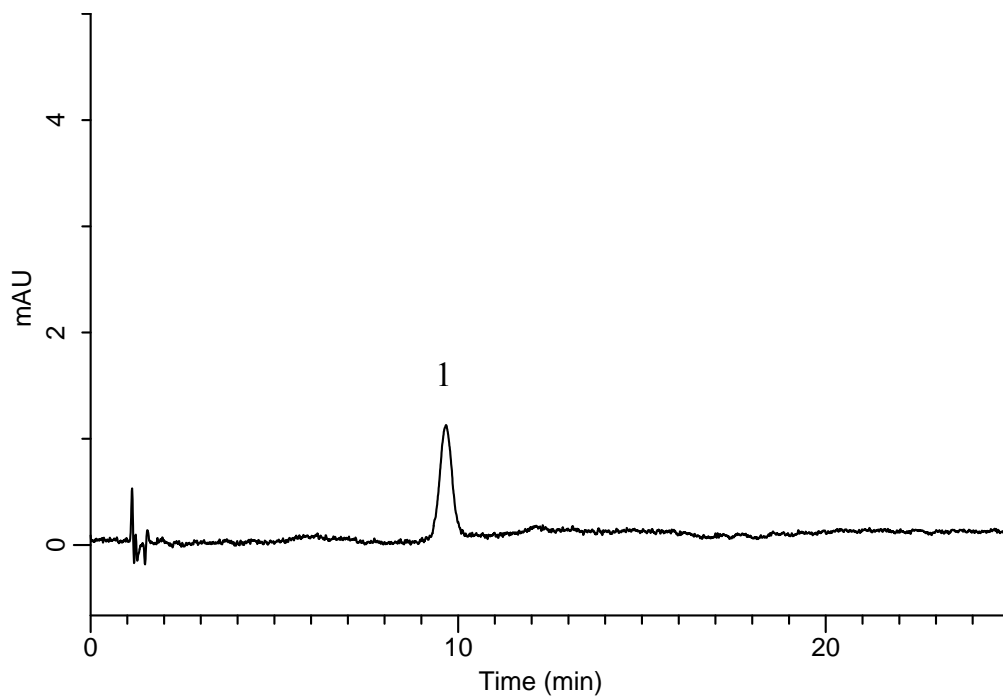
InertSearch™ for LC

Inertsil® Applications

Analysis of Naftopidil

(Under the Condition of the Japanese Pharmacopoeia)

Data No. LB086-0894



Conditions

System : GL-7400 HPLC system
Column : InertSustain C18
(5 μ m, 150 x 4.0 mm I.D.)
Column Cat. No. : 5020-07335
Eluent : A) CH₃OH
B) Buffer*
A/B = 55/45, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 25 °C
Detection : UV 283 nm (GL-7452 PDA Detector)
Injection Vol. : 10 μ L
Sample : Standard

Analyte:

1. Naftopidil 2 mg/L

Theoretical plate number : 3,878 (\geq 2,500)
Tailing factor : 1.02 (\leq 1.5)
RSD of the peak area (%) (n=6) : 2.3 (\leq 3.0)

*Dissolve 6.80 g of monobasic potassium phosphate in 900 mL of water.
Adjust pH 4.0 by diluted phosphoric acid.
Add water to make up to 1000 mL.