

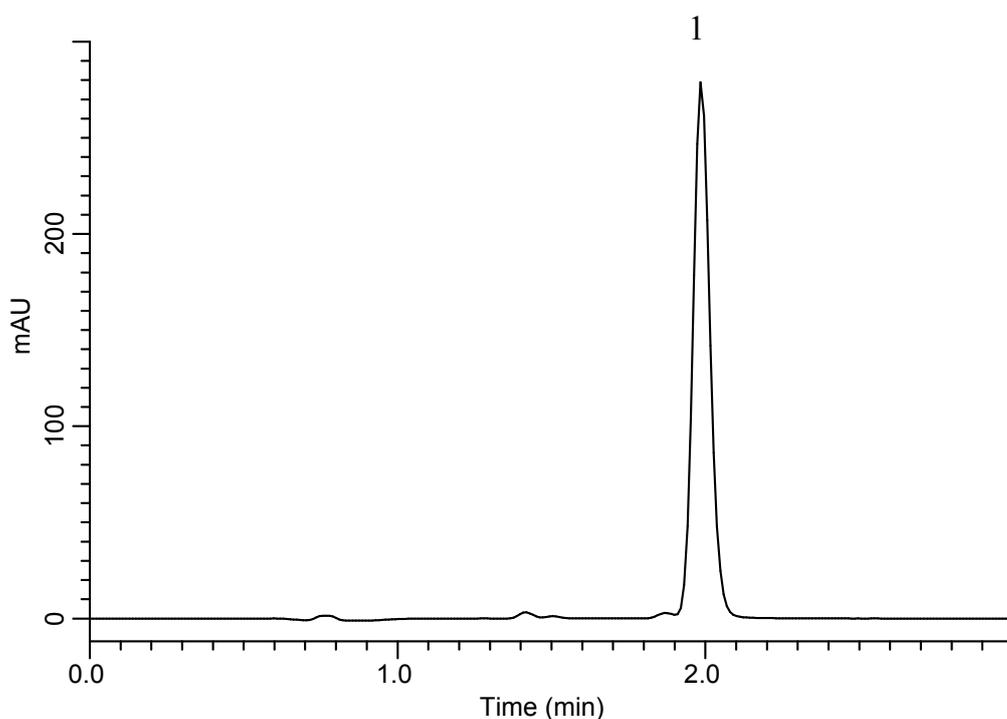
InertSearch™ for LC

Inertsil® Applications

Analysis of Montelukast sodium

(Under the Condition of the Japanese Pharmacopoeia, Montelukast sodium Tablets)

Data No. LB281-0894



Conditions

System : GL7700 HPLC system
Column : Inertsil Ph
(5 μ m, 100 x 3.0 mm I.D.)
Column Cat. No. : 5020-89601
Eluent : 0.2 % TFA in (CH₃CN/H₂O = 1/1, v/v)
Flow Rate : 0.87 mL/min
Col. Temp. : 50 °C
Detection : UV 389 nm (PD7752 PDA Detector)
Injection Vol. : 50 μ L
Sample : Standard

Analyte:

1. Montelukast sodium 7 mg/L

Theoretical plates : 6,183 (\geq 2,000)
Tailing factor : 1.15 (\leq 1.5)
RSD of the peak
area %(n=5) : 0.09 (\leq 2.0)