

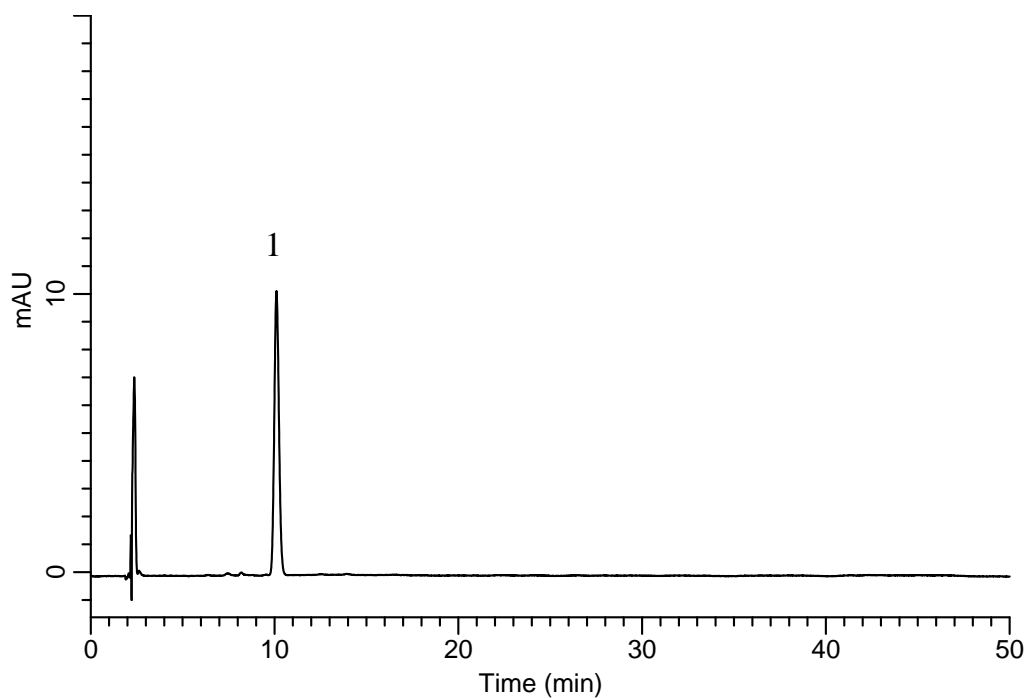
InertSearch™ for LC

Inertsil® Applications

Analysis of Pranlukast hydrate

(Under the Condition of Japanese Pharmacopoeia)

Data No. LB093-0894



Conditions

System : GL-7400 HPLC system
Column : InertSustain C8
(5 μ m, 150 x 6.0 mm I.D.)
Column Cat. No. : 5020-16057
Eluent : A) CH₃CN
B) CH₃OH
C) 20 mM KH₂PO₄
A/B/C = 5/1/5, v/v/v
Flow Rate : 1.2 mL/min
Col. Temp. : 25 °C
Detection : UV 260 nm (GL-7452 PDA Detector)
Injection Vol. : 10 μ L
Sample : Standard

Analyte:

1. Pranlukast hydrate 4 mg/L

Theoretical plates : 7,540 (\geq 6,000)
Tailing factor : 1.11 (\leq 1.5)
RSD of the
peak area (%) (n=6) : 0.44 (\leq 2.0)