

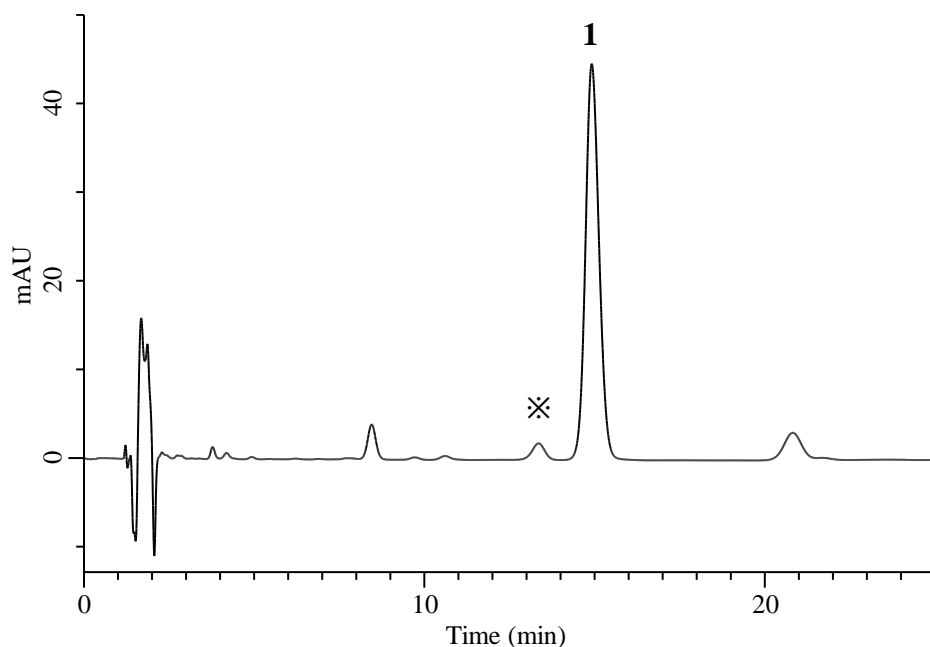
InertSearch™ for LC

Inertsil® Applications

Analysis of Glycyrrhiza

(Under the Condition of the draft for the Japanese Pharmacopoeia 18th)

Data No. LB823-7111



Conditions

System : Chromaster HPLC system (HITACHI)
Column : Inertsil ODS-3 (GL Sciences Inc.)
(5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-01731
Eluent : Solution*
Flow Rate : 1.15 mL/min
Col. Temp. : 40°C
Detection : UV 254 nm
Injection Vol. : 10 μ L
Sample : Standard

Analyte:

1. Glycyrrhizic acid 250 mg/L

※ Relative retention time of this peak is about 0.9 to Glycyrrhizic acid peak.

Resolution (※,1) : 2.24 (\geq 1.5)

RSD of the peak area (%) (n=6) : 1.00 (\leq 1.5%)

* Dissolve 3.85 g of ammonium acetate in 720 mL of water and add 5mL of acetic acid (100) and 280mL of acetonitrile.