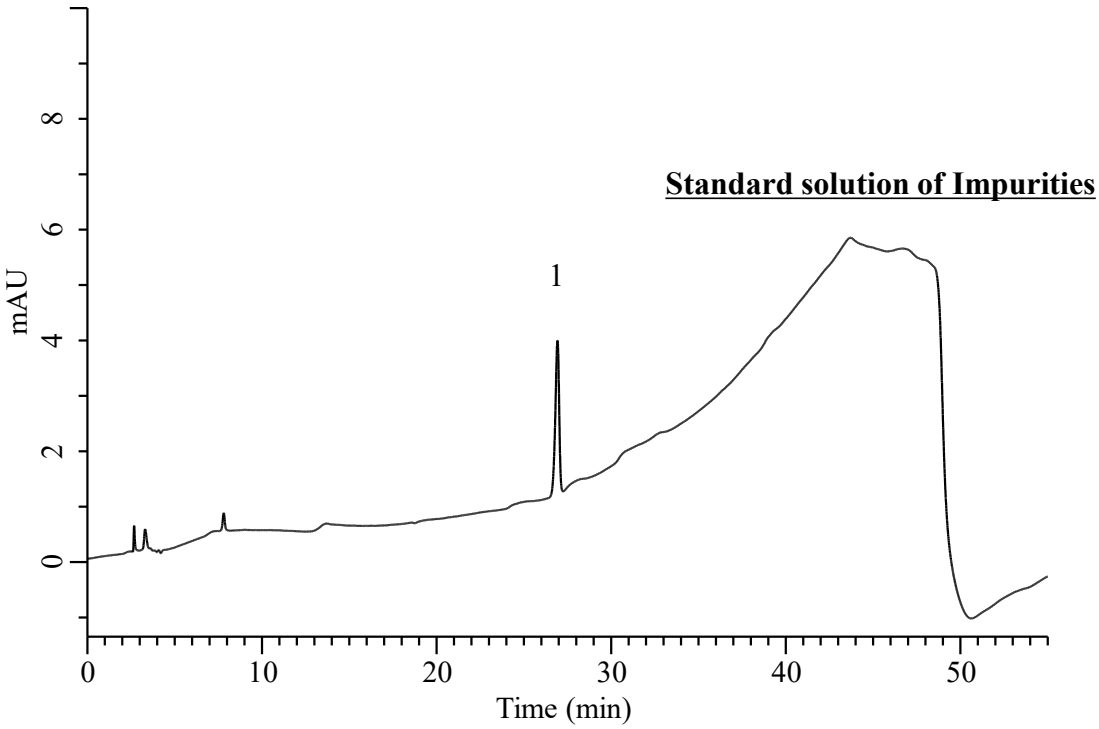
InertSearch for LC

Inertsil Applications

Analysis of Febuxostat

（Under the Condition of Draft for USP, Febuxostat Tablets)

Data No. LB870-7111



Conditions

System : Chromaster HPLC system (HITACHI)
Column : InertSustain Phenyl HP (GL Sciences Inc.) (3 μm, 300 x 4.6 mm I.D.)
Column Cat. No. : 5020 -
Eluent : A) CH_3CN/ Buffer* = 25/75, v/v
B) CH_3CN/ Buffer* = 75/25, v/v

Time (min)	A (vol %)	B (vol %)
0.0	90	10
40.0	35	65
45.0	35	65
45.1	90	10
55.0	90	10

Flow Rate : 1.2 mL/min
Col. Temp. : 50 ℃
Detection : UV 218 nm
Injection Vol. : 10 μL
Sample : Standard

Analyte:

1. Febuxostat	1 μg/mL
RSD of the peak area (%)(n=6)	: 0.83 (≦ 5.0)
Signal-to-noise ratio	: 160.4 (≧ 10)

*Dissolve 1.36 g of potassium phosphate monobasic in 1 L of water. Adjust with 67 mL/L of phosphoric acid in water to a pH of 2.6.