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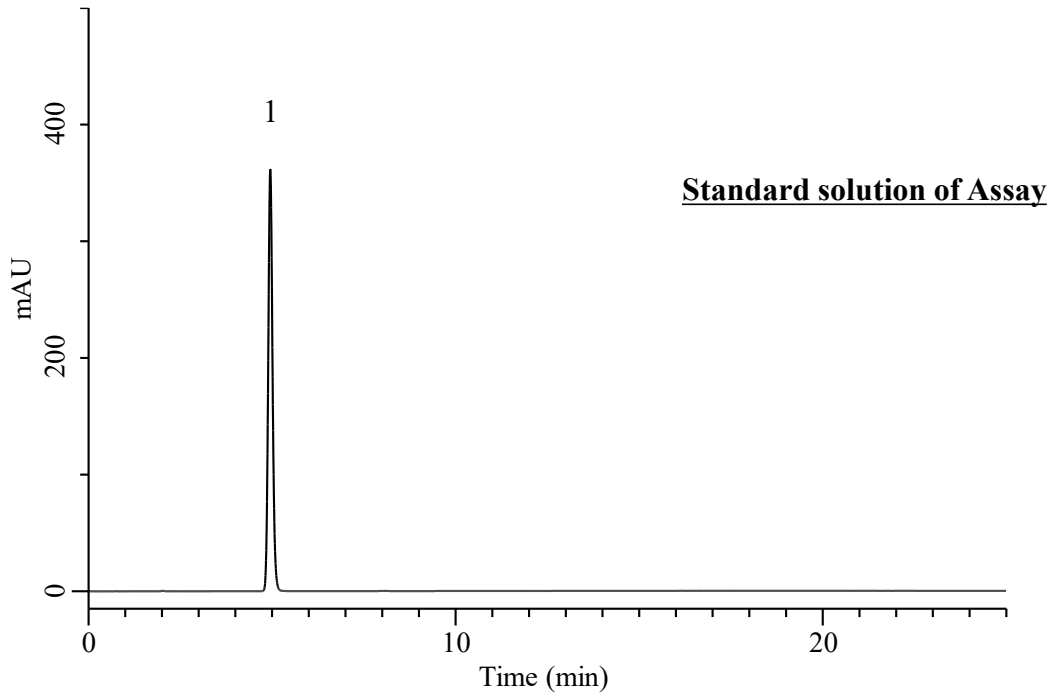
Inertsil Applications

Analysis of Febuxostat

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

Data No. LB867-7111



Conditions

System	:	Primaide HPLC system (HITACHI)
Column	:	InertSustain C18 (GL Sciences Inc.) (3 μm, 100 x 4.6 mm I.D.)
Column Cat. No.	:	5020-07444
Eluent	:	A) CH_3CN B) CH_3OH C) Buffer* A/B/C = 35/30/35, v/v/v
Flow Rate	:	1.3 mL/min
Col. Temp.	:	30 ℃
Detection	:	UV 318 nm (1430 DAD)
Injection Vol.	:	10 μL
Sample	:	Standard

Analyte:

1. Febuxostat	80 μg/mL
Tailing factor	: 1.10 (0.8 - 1.8)
RSD of the peak area (%)(n=6)	: 0.24 (≦ 1.0)

* Dissolve 2.76 g of sodium phosphate monobasic in 1 L of water. Add 1.0 mL of triethylamine. Adjust with phosphoric acid to a pH of 2.5.