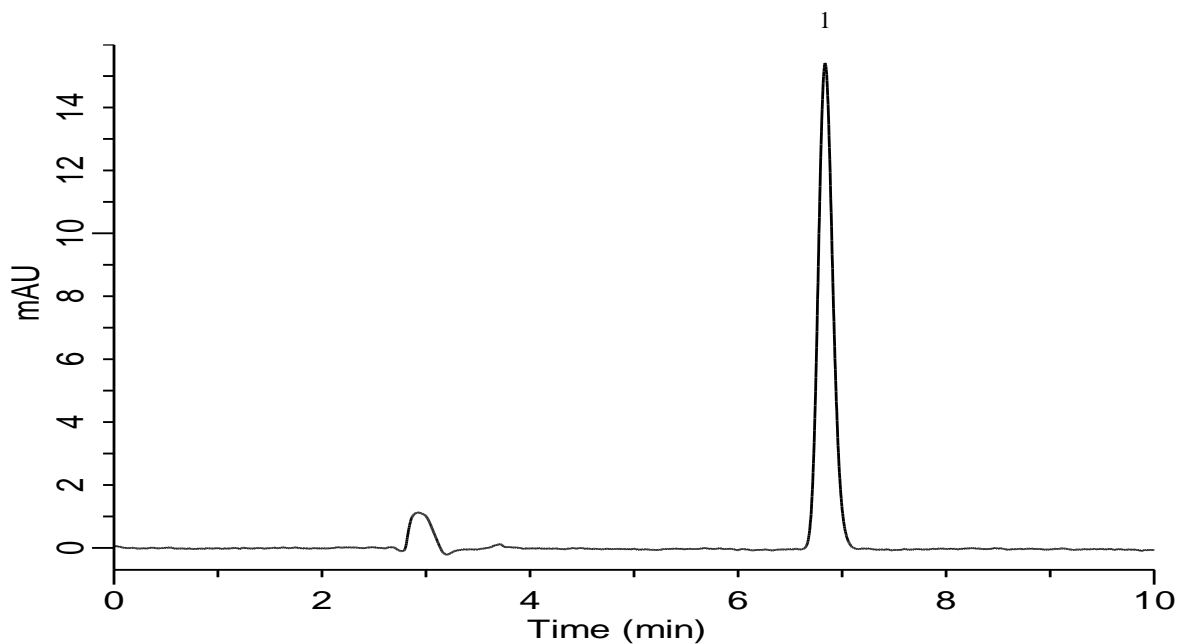


Analysis of Uric acid



Conditions

System : GL-7400 HPLC system
Guard column : Cartridge guard column E Inertsil ODS-4 (5 μ m, 10 x 4.0 mm I.D.)
Column Cat. No. : 5020-08520
Column : Inertsil ODS-4 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-03946
Eluent : A) 74 mM phosphate buffer (pH 2.2)*
 : B) CH₃OH
 : A/B = 98/2, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 284 nm (GL-7450 UV detector)
Injection Vol. : 50 μ L

Analyte

1. Uric acid 1 mg/L
(5.95 μ mol/L)

* 74 mM phosphate buffer (pH 2.2)

To 70 mL of 0.2 M sodium dihydrogen phosphate, 120 mL of 0.5 M phosphoric acid aqueous solution was added, and the mixed solution was made up to 1 L with distilled water.