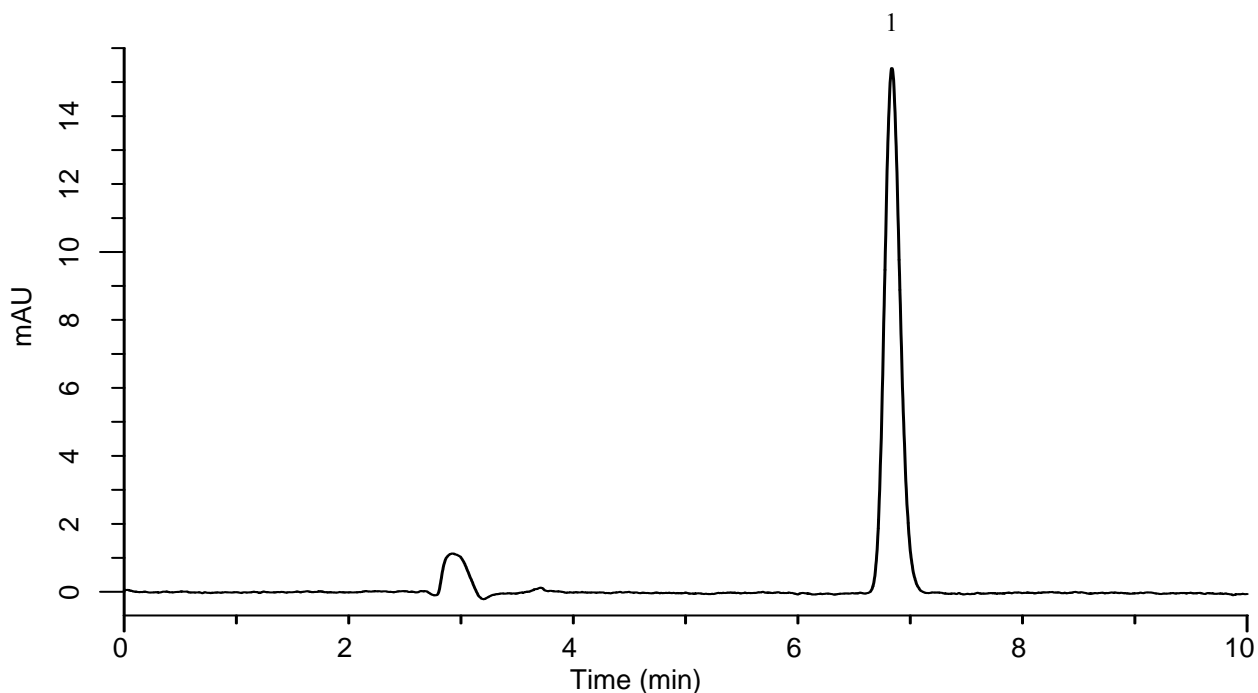


# InertSearch™ for LC

Inertsil® Applications

## Analysis of Uric acid

Data No. LA726-0871



### Conditions

**System** : GL-7400 HPLC system  
**Guard column** : Cartridge guard column E Inertsil ODS-4 (5 $\mu$ m, 10 x 4.0 mm I.D.)  
**Column Cat. No.** : 5020-08520  
**Column** : Inertsil ODS-4 (5 $\mu$ m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-03946  
**Eluent** : A) 74 mM phosphate buffer (pH 2.2)\*  
          : B) CH<sub>3</sub>OH  
          : 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  $\mu$ L

### Analyte

1. Uric acid 1 mg/L  
(5.95 $\mu$ 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.