

CLICK ON THE UNDERLINED BLUE TEXT FOR DETAILS ON THE PRODUCTS USED IN THIS APPLICATION

TEST CONDITIONS

Column: ACQUITY UPLC® BEH Amide,
2.1 x 50 mm, 1.7 µm

Part Number: [186004800](#)

Mobile Phase A : 50/50 MeCN/H₂O with 10 mM
CH₃COONH₄ and 0.02% CH₃COOH,
pH 5

Mobile Phase B : 90/10 MeCN/H₂O with 10 mM
CH₃COONH₄ and 0.02% CH₃COOH,
pH 5

Flow Rate: 0.5 mL/min

Gradient:

Time (min)	%A	%B
Initial	0.1	99.9
5.00	50.0	50.0
5.01	0.1	99.9
9.00	0.1	99.9

Injection Volume: 5.0 µL (PLNO)

Sample Concentration: 5 µg/mL each

Sample Diluent: 100% MeCN

Column Temperature: 25 °C

Weak Needle Wash: 95/5 MeCN/H₂O

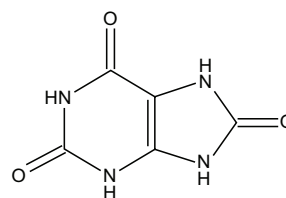
Detection: UV @ 285 nm

Sampling Rate: 20 points/sec

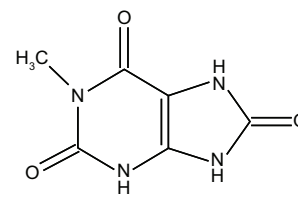
Filter Time Constant: 0.2

Instrument: Waters ACQUITY UPLC with
ACQUITY UPLC PDA Detector

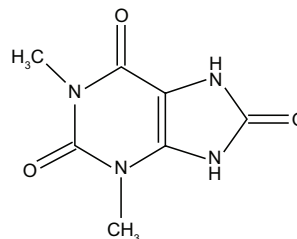
STRUCTURES



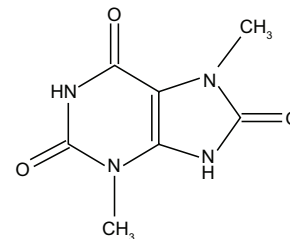
Uric Acid



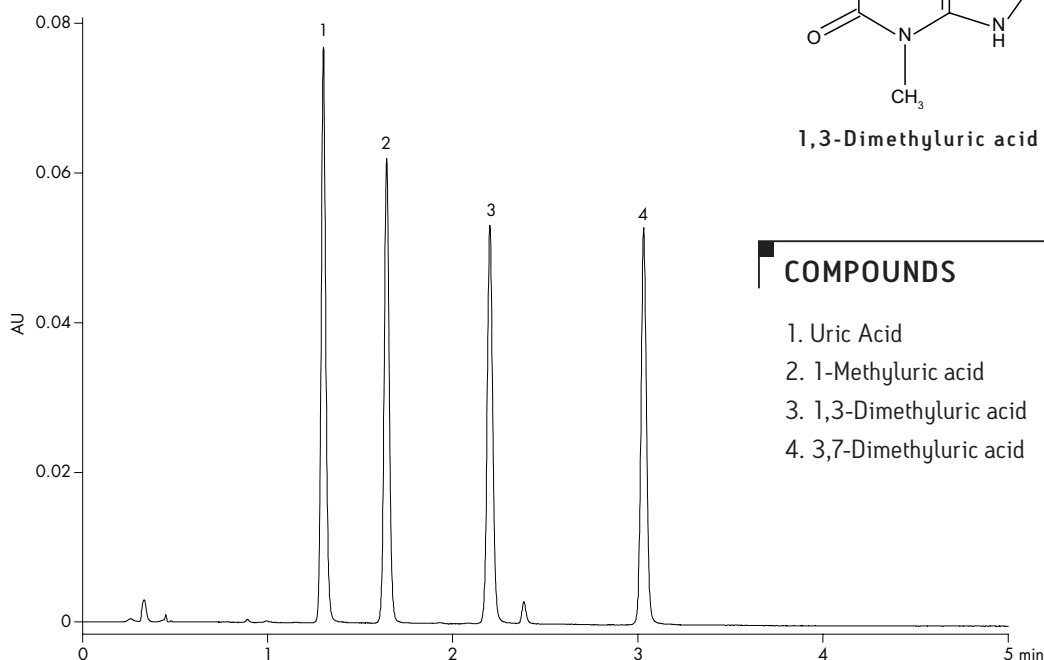
1-Methyluric acid



1,3-Dimethyluric acid



3,7-Dimethyluric acid



COMPOUNDS

1. Uric Acid
2. 1-Methyluric acid
3. 1,3-Dimethyluric acid
4. 3,7-Dimethyluric acid