Caffeine Metabolites - pH 2.45

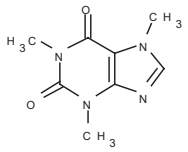
Conditions

Column: XTerra® Phenyl, 4.6 x 150 mm, 5 µm
Part Number: 186001146
Mobile Phase A: H_2O
Mobile Phase B: ACN
Mobile Phase C: 50 mM HCOOH, pH 2.45
Flow rate: 2.0 mL/min
Gradient:

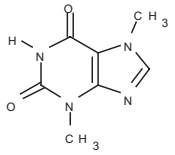
Time (min)	Profile %A	%B	%C
0.0	90	0	10
15.0	70	20	10

Injection Volume: 10 µL
Temperature: 30°C
Detection: UV @ 280 nm
Instrument: Alliance® 2695, 2996 PDA

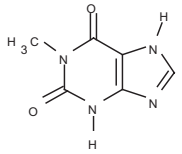
Compounds:
1. 1-Methylxanthine
2. 1, 3-Dimethyluric acid
3. Theobromine
4. 1, 7-Dimethyluric acid
5. 1, 7-Dimethylxathine
6. Caffeine



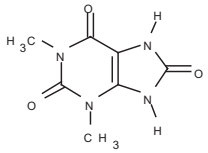
Caffeine



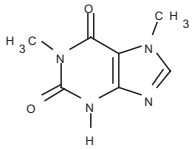
Theobromine



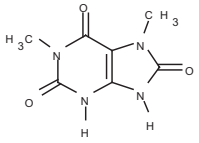
1-Methylxanthine



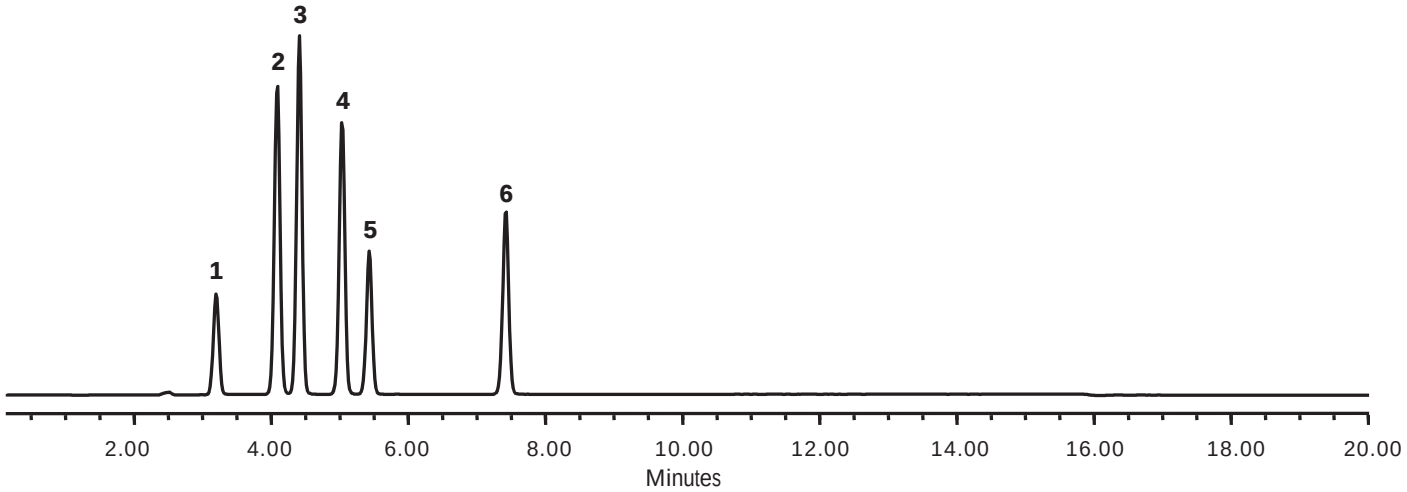
1, 3-Dimethyluric acid



1, 7-Dimethylxathine



1, 7-Dimethyluric acid



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