



Polar and Non-Polar Compounds Test Mix

Waters Corporation



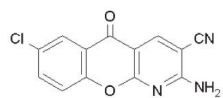
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

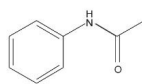
This application brief highlights the analysis of polar and non-polar compounds test mix using XTerra C₁₈ columns.

Introduction

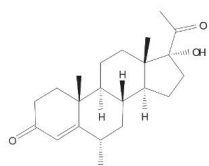
Polar and non-polar compounds are analyzed in this application brief.



2-Amino-7-chloro-5-oxo-5H-[1,2,3-b]pyridine-3-carbonitrile



Acetanilide



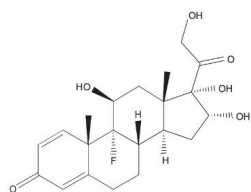
6-Methyl-17-hydroxyprogesterone



3-Aminofluoranthene



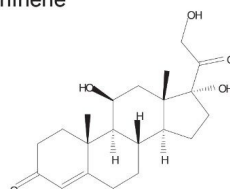
Perylene



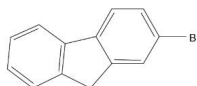
Triamcinolone



Naphtho(2,3-a)pyrene



Hydrocortisone



2-Bromofluorene

Experimental

Conditions

Column:

XTerra MS C₁₈ 4.6 x 20 mm, 3.5 μm (p/n: 186001891)

Mobile phase A:

0.1% HCOOH in H₂O

Mobile phase B: 0.1% HCOOH in ACN

Flow rate: 3.0 mL/min

Injection volume: 10 μ L

Sample Concentration: 10 μ g/mL

Temperature: 30°C

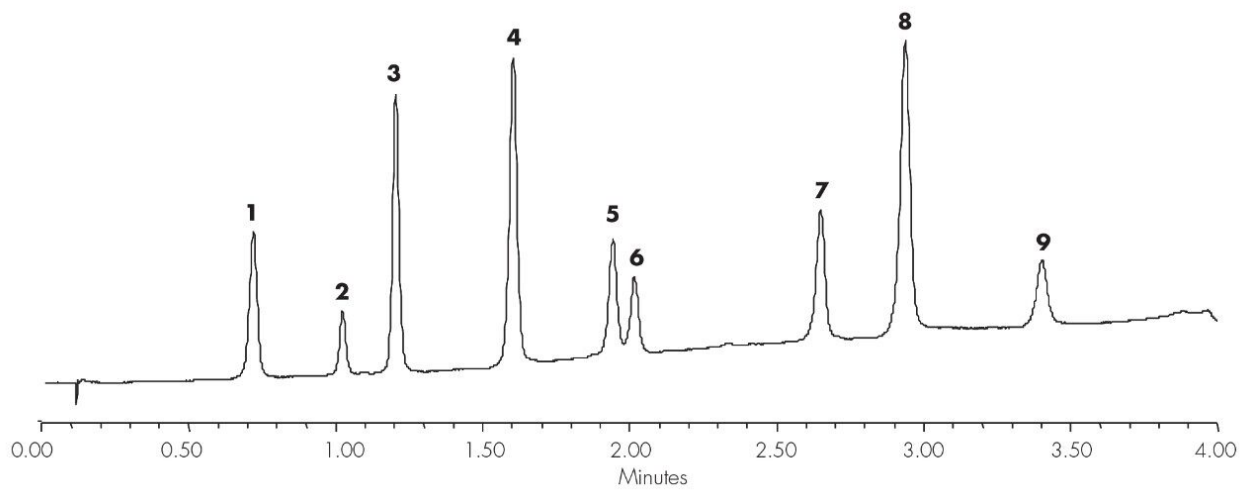
Detection: UV @ 254 nm

Instrument: Alliance HT 2795, 2996 PDA

Gradient

Time (min)	Profile	
	%A	%B
0.0	100	0
4.0	0	100

Results and Discussion



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