

Pharmaceutical Test Mix - 2.1 x 20 mm Intelligent Speed Separation

Waters Corporation



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

Abstract

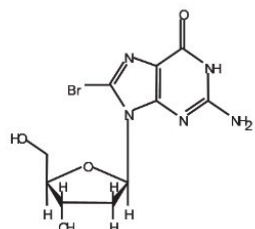
This application brief highlights the analysis pharmaceutical test mix using Symmetry and SymmetryShield RP₁₈

columns.

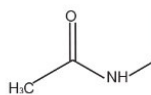
Introduction

Compounds used in this application brief are:

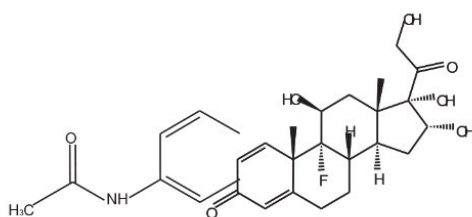
1. 8-Bromoguanosine
2. Acetanilide
3. Triamcinolone
4. Hydrocortisone
5. 2-Amino-7-chloro-5-oxo-5H-[1] benzopyrano[2,3-b]pyridine-3-carbonitrile
6. 6 λ Methyl-17 λ -hydroxyprogesterone
7. 3-Aminofluoranthene
8. 2-Bromofluorene
9. Perylene
10. Naphtho(2,3-a)pyrene



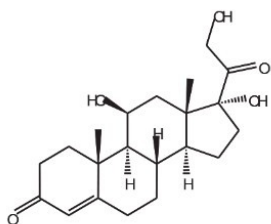
1. 8-Bromoguanosine



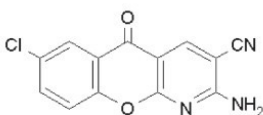
2. Acetanilide



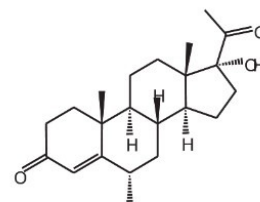
3. Triamcinolone



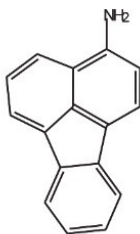
4. Hydrocortisone



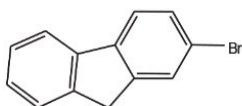
5. 2-Amino-7-chloro-5-oxo-5H-[1]benzopyrano [2,3-b]pyridine-3 carbonitrile



6. 6a-Methyl-17a-hydroxyprogesterone



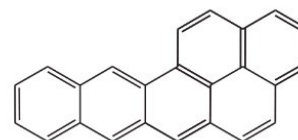
7. 3-Aminofluorathene



8. 2-Bromofluorene



9. Perylene



10. Naphtho(2,3-a)pyrene

Experimental

HPLC Method

Column:

Symmetry C₁₈, 2.1 x 20 mm, 3.5 μm IS (p/n: 186002066)

SymmetryShield RP₁₈, 2.1 x 20 mm, 3.5 μm IS (p/n: 186002068)

Mobile phase A:

0.1% HCOOH in Water

Mobile phase B:

0.1% HCOOH in ACN

Flow rate: 0.6 mL/min

Injection volume: 5 µL

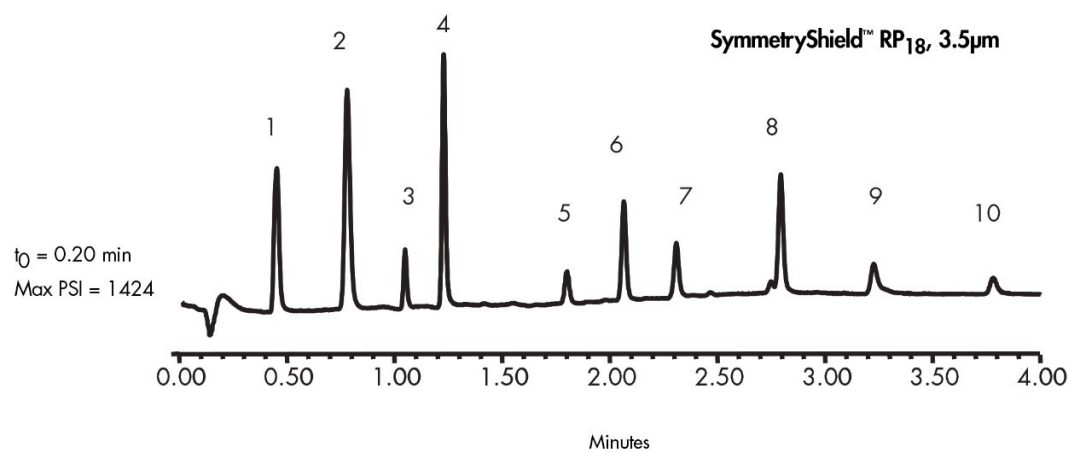
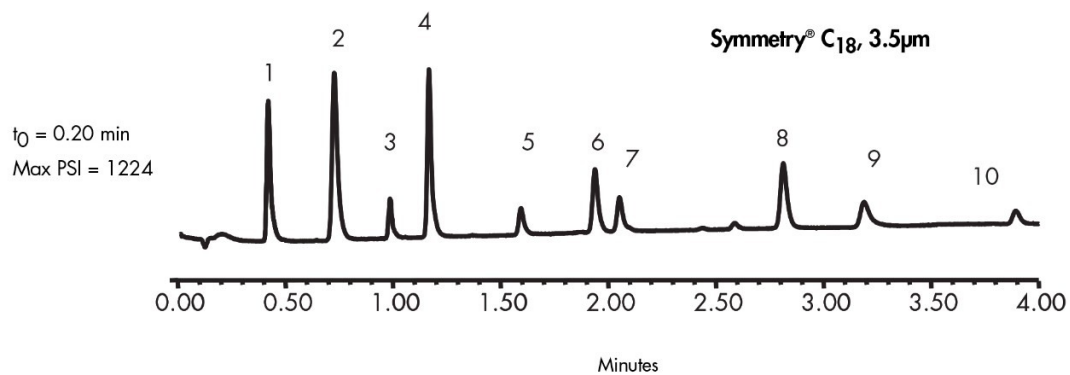
Temperature: 30° C

Detection: UV @ 254 nm

Gradient

Time (min)	Profile	
	%A	%B
0	100	0
4	0	100

Results and Discussion



WA31763.122, June 2003



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