

## Pharmaceutical Test Mix - 4.6 x 20 mm Intelligent Speed Separation

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Waters Corporation



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

### Abstract

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

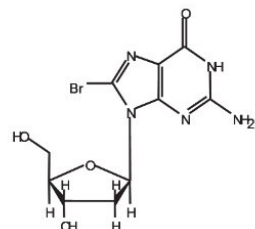
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18 columns.

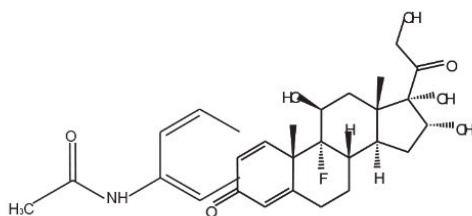
## Introduction

Compounds used in this application brief are:

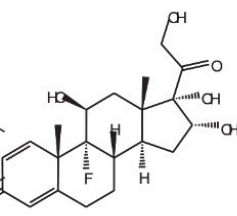
1. 8-Bromoguanosine
2. Acetanilide
3. Triamcinolone
4. Hydrocortisone
5. 2-Amino-7-chloro-5-oxo-5H-[1]benzopyrano[2,3-b]pyridine-3-carbonitrile
6. 6 $\lambda$ Methyl-17 $\lambda$ -hydroxyprogesterone
7. 3-Aminofluoranthene
8. 2-Bromofluorene
9. Perylene
10. Naphtho(2,3-a)pyrene



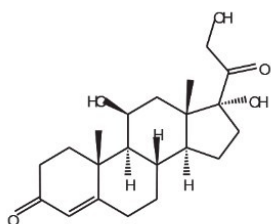
**1. 8-Bromoguanosine**



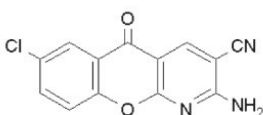
**2. Acetanilide**



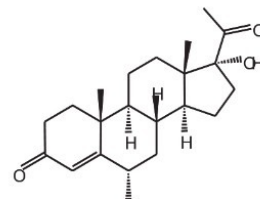
**3. Triamcinolone**



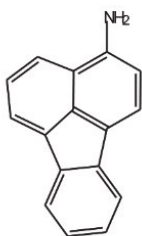
**4. Hydrocortisone**



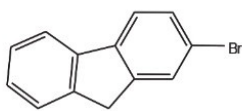
**5. 2-Amino-7-chloro-5-oxo-5H-[1]benzopyrano [2,3-b]pyridine-3 carbonitrile**



**6. 6α-Methyl-17α-hydroxyprogesterone**



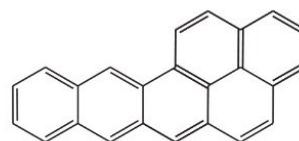
**7. 3-Aminofluorathene**



**8. 2-Bromofluorene**



**9. Perylene**



**10. Naphtho(2,3-a)pyrene**

## Experimental

### HPLC Method

Column:

Symmetry C<sub>18</sub>, 4.6 x 20 mm, 3.5 μm IS (p/n: 186002090)

SymmetryShield RP<sub>18</sub>, 4.6 x 20 mm, 3.5 μm IS (p/n: 186002092)

Mobile phase A:

0.1% HCOOH in Water

Mobile phase B:

0.1% HCOOH in ACN

Flow rate: 3.0 mL/min

Injection volume: 10 µL

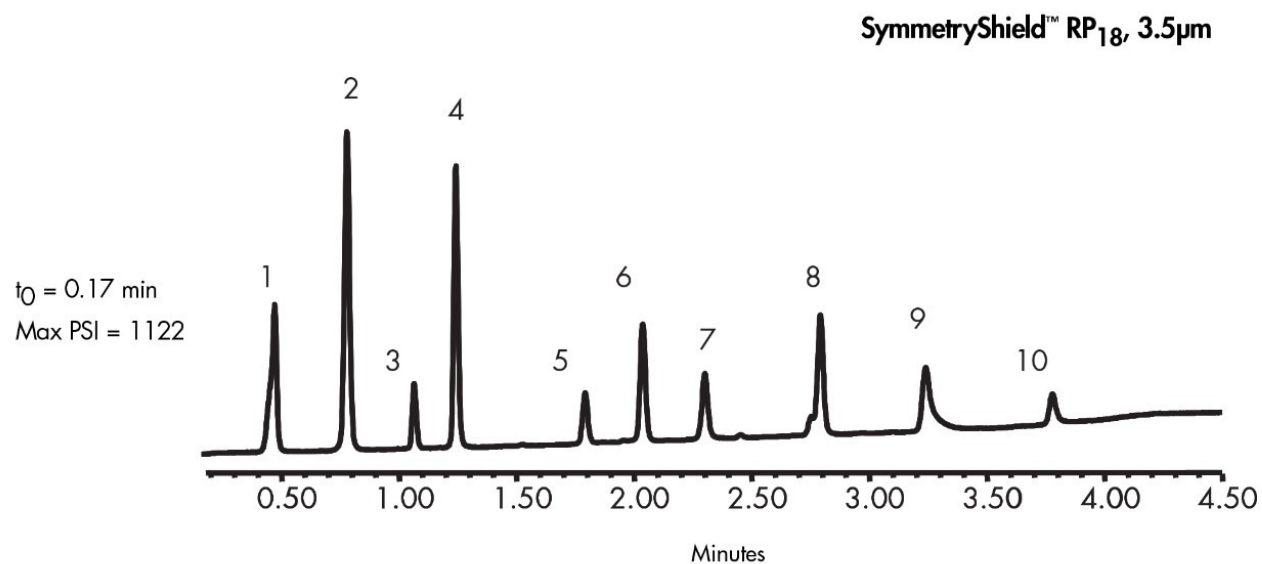
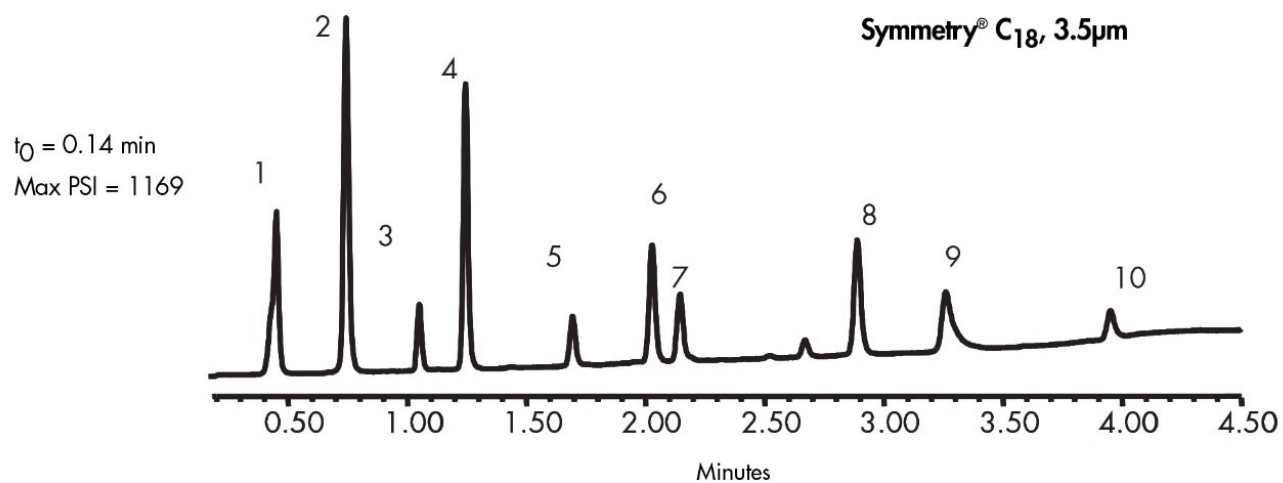
Temperature: 30° C

Detection: UV @ 254 nm

## Gradient

| Time<br>(min) | Profile |     |
|---------------|---------|-----|
|               | %A      | %B  |
| 0             | 100     | 0   |
| 4             | 0       | 100 |

## Results and Discussion



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WA31763.123, June 2003



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