

Steroids - 4.6 x 20 mm Intelligent Speed Separation

Waters Corporation



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

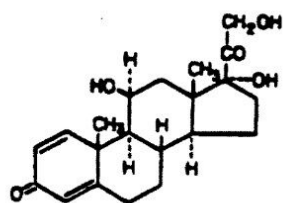
Abstract

This application brief demonstrates analysis of steroids using 4.6 x 20 mm Intelligent Speed Separation Column.

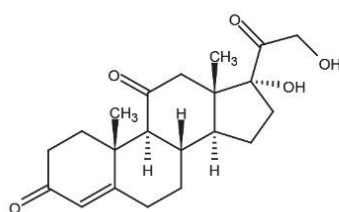
Introduction

The compounds used in this study are -

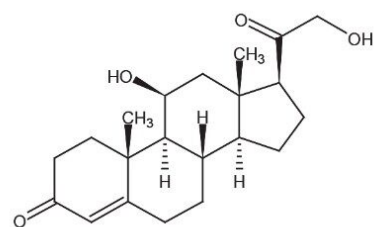
1. Prednisone
2. Cortisone
3. Corticosterone
4. Estradiol
5. Estrone
6. Progesterone



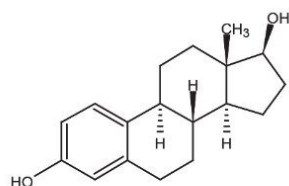
1. Prednisolone



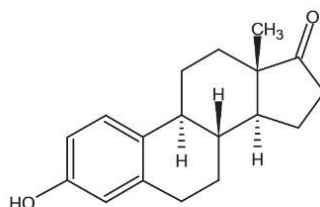
2. Cortisone



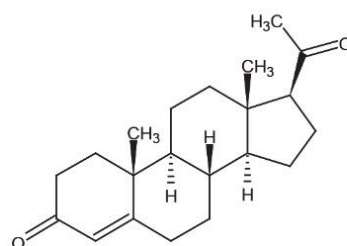
3. Corticosterone



4. Estradiol



5. Estrone



6. Progesterone

Experimental

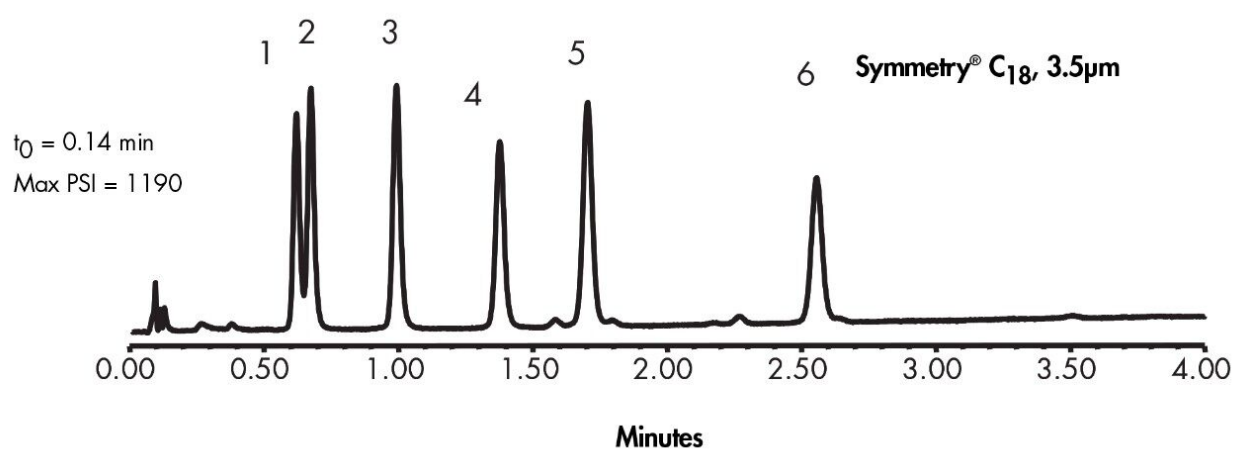
HPLC Method

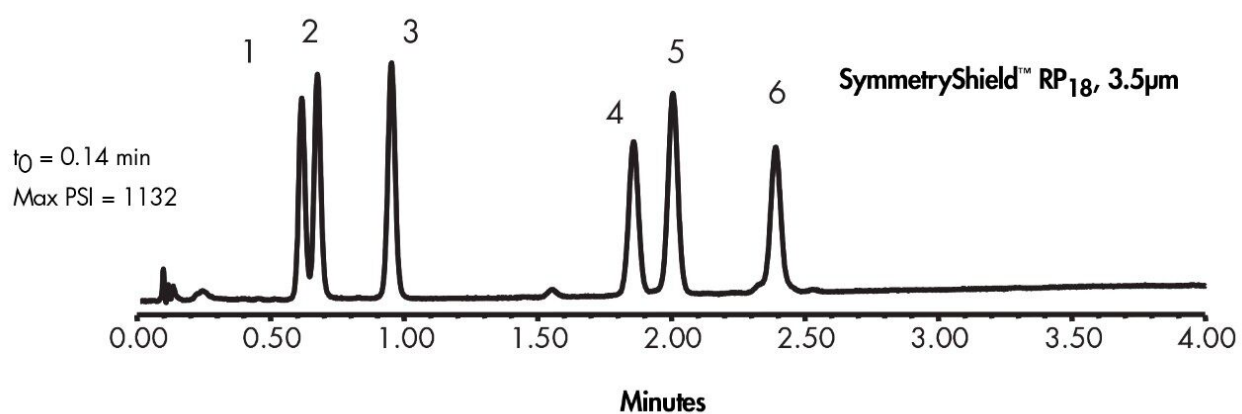
Column:	Symmetry C ₁₈ , 4.6 x 20 mm, 3.5 µm IS
	Symmetry Shield RP ₁₈ , 4.6 x 20 mm, 3.5 µm IS
Part numbers:	Symmetry - 186002090
	Symmetry Shield - 186002092
Mobile phase A:	Water
Mobile phase B:	ACN
Flow rate:	3.0 mL/min
Injection volume:	10 µL
Temperature:	30 °C
Detection:	UV @ 220 nm

Gradient

Time (min)	Profile	
	%A	%B
0	80	20
4	36	64

Results and Discussion





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