

Steroids - Symmetry C₈ Column

Waters Corporation



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

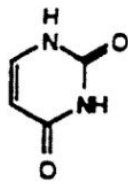
Abstract

This application brief demonstrates analysis of steroids using Symmetry C₈ Column.

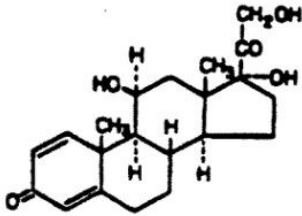
Introduction

The compounds used in this study are –

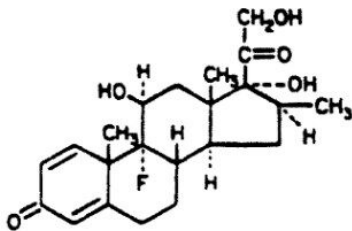
Compounds	USP Tailing Factors
Prednisolone	1.08
Betamethasone	1.18
Prednisolone Acetate	1.1
Betamethasone Valerate	1.31



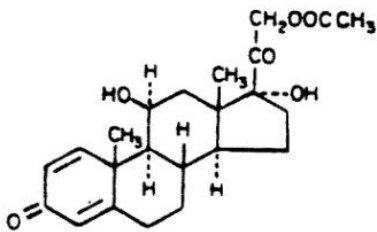
Vo: Uracil



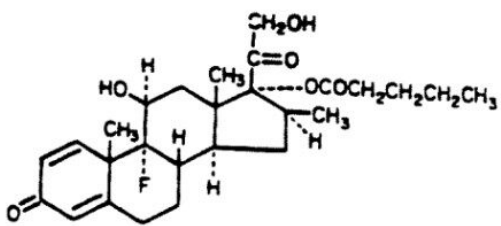
1. Prednisolone



2. Betamethasone



3. Prednisolone Acetate



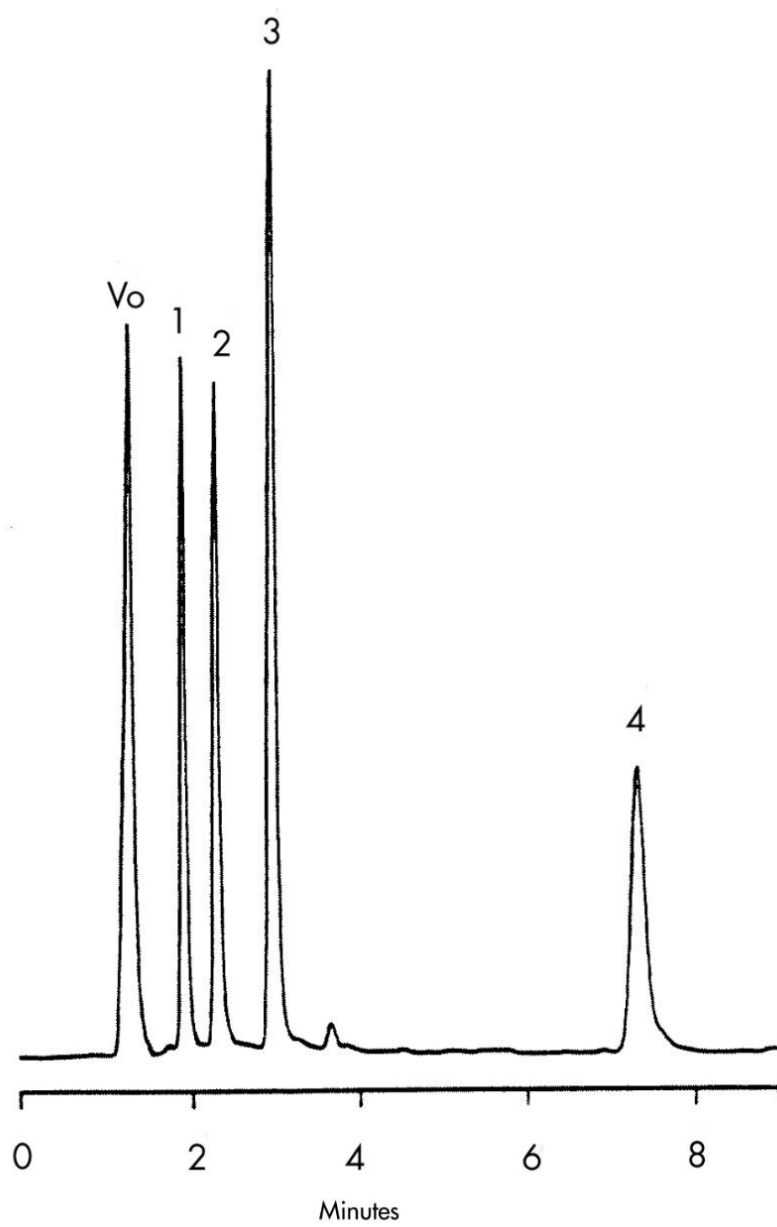
4. Betamethasone Valerate

Experimental

HPLC Method

Column:	Symmetry C ₈ ,3.9 x 150 mm, 5 μm
Guard column:	Sentry Guard Column 3.9 x 20 mm, 5μm
Part numbers:	Column - WAT046970, Guard - WAT054250
Mobile phase:	Acetonitrile/water 50:50
Flow rate:	1.0 mL/min
Injection volume:	5μL of 10 μg/mL sample
Detection:	UV @ 254 nm

Results and Discussion



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