

Steroids - Symmetry C₈ Column

Waters Corporation



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

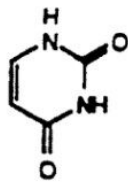
Abstract

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

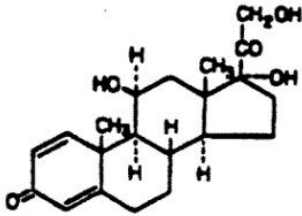
Introduction

The compounds used in this study are –

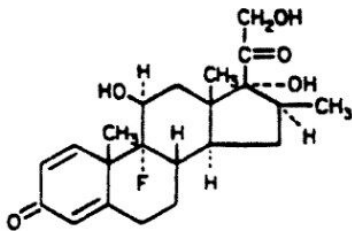
| Compounds | USP Tailing Factors |
|------------------------|---------------------|
| Prednisolone | 1.08 |
| Betamethasone | 1.18 |
| Prednisolone Acetate | 1.1 |
| Betamethasone Valerate | 1.31 |



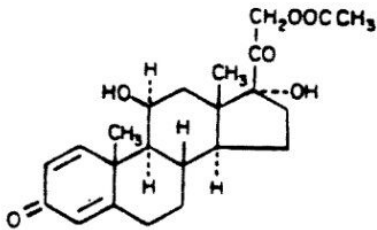
Vo: Uracil



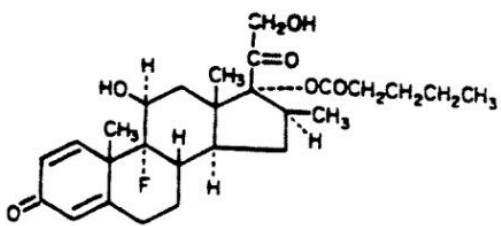
1. Prednisolone



2. Betamethasone



3. Prednisolone Acetate



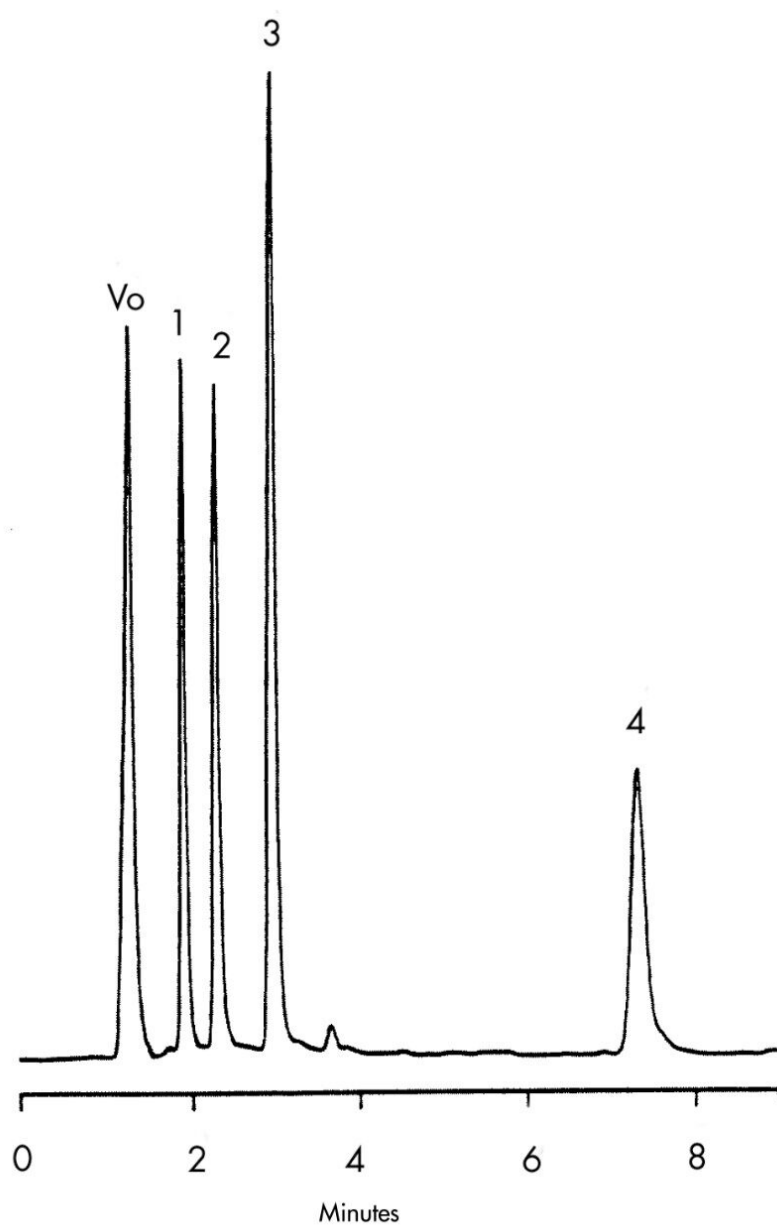
4. Betamethasone Valerate

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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