

Application Note

Betamethasone

Waters Corporation



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

Abstract

This application brief demonstrates analysis of betamethasone.

Introduction

The compounds used in this study are –

Compounds

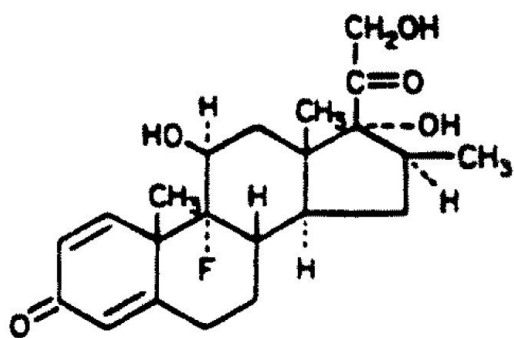
USP Tailing Factors

Betamethasone

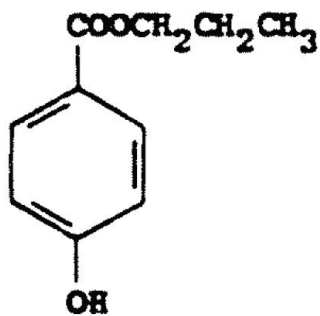
1.12

Propylparaben (I.S.)

1.09



1. Betamethasone



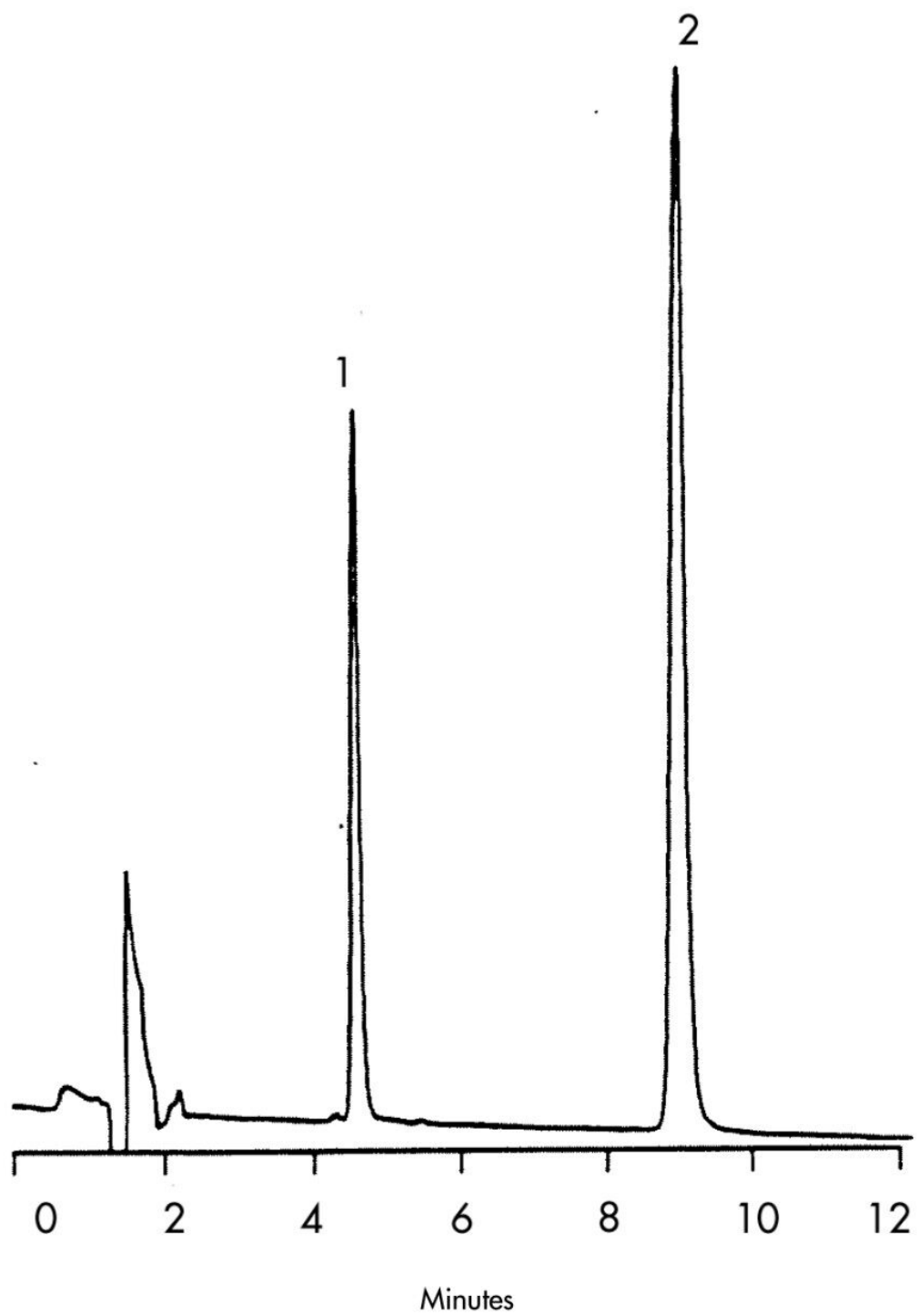
2. Propylparaben
(internal standard)

Experimental

HPLC Method

| | |
|-------------------|--|
| Column: | Symmetry C ₈ , 3.9 x 150 mm, 5 μm |
| Guard column: | Sentry Guard Column 3.9 x 20 mm, 5 μm |
| Part numbers: | Column - WAT046970, Guard - WAT054250 |
| Mobile phase: | Water/acetonitrile/phosphoric acid 63:37:0.1 |
| Flow rate: | 1.0 mL/min |
| Injection volume: | 10 μL of 50 μg/mL sample |
| Detection: | UV @ 254 nm |

Results and Discussion



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