

Hydrocortisone and Related Compound

Waters Corporation



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

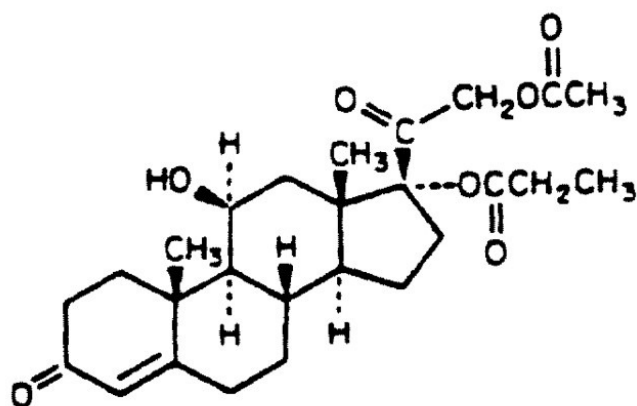
Abstract

This application brief demonstrates analysis of hydrocortisone and related compound.

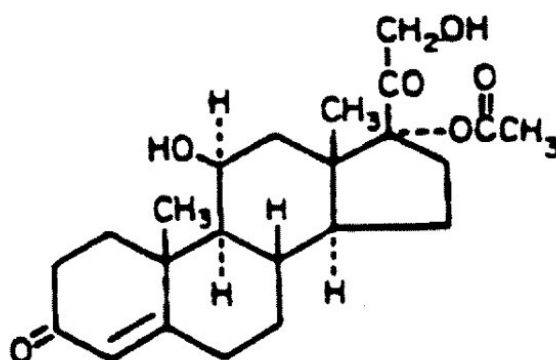
Introduction

The compounds used in this study are –

Compounds	USP Tailing Factors
Hydrocortisone	1.1
Hydrocortisone-21-Acetate	1.1



1. Hydrocortisone



2. Hydrocortisone-21-Acetate

Experimental

HPLC Method

Column:	Symmetry C ₁₈ , 3.9 x 150 mm, 5 µm
Part number:	WAT046980
Mobile phase:	Acetonitrile/water 35:65

Flow rate:

1.0 mL/min

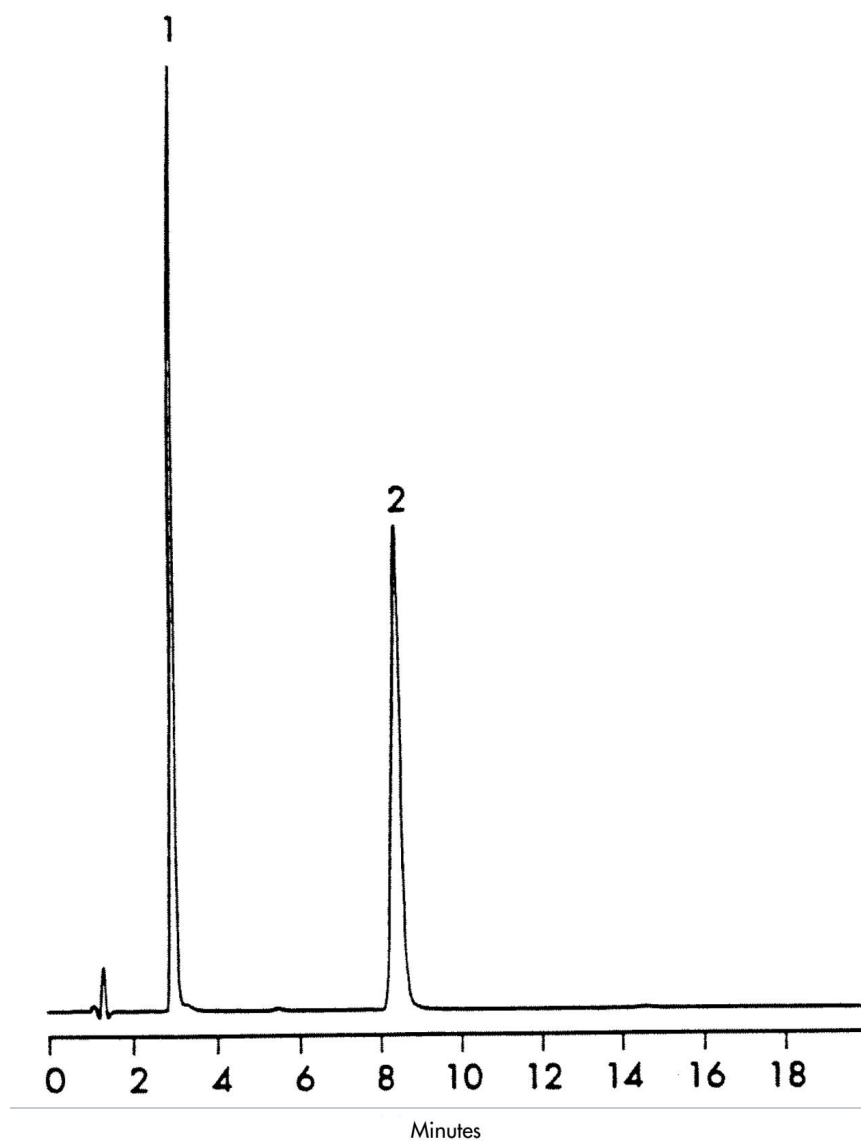
Injection volume:

10 μ L of 10 μ g/mL hydrocortisone and 30 μ g/mL hydrocortisone-21-acetate

Detection:

UV @ 254 nm

Results and Discussion



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