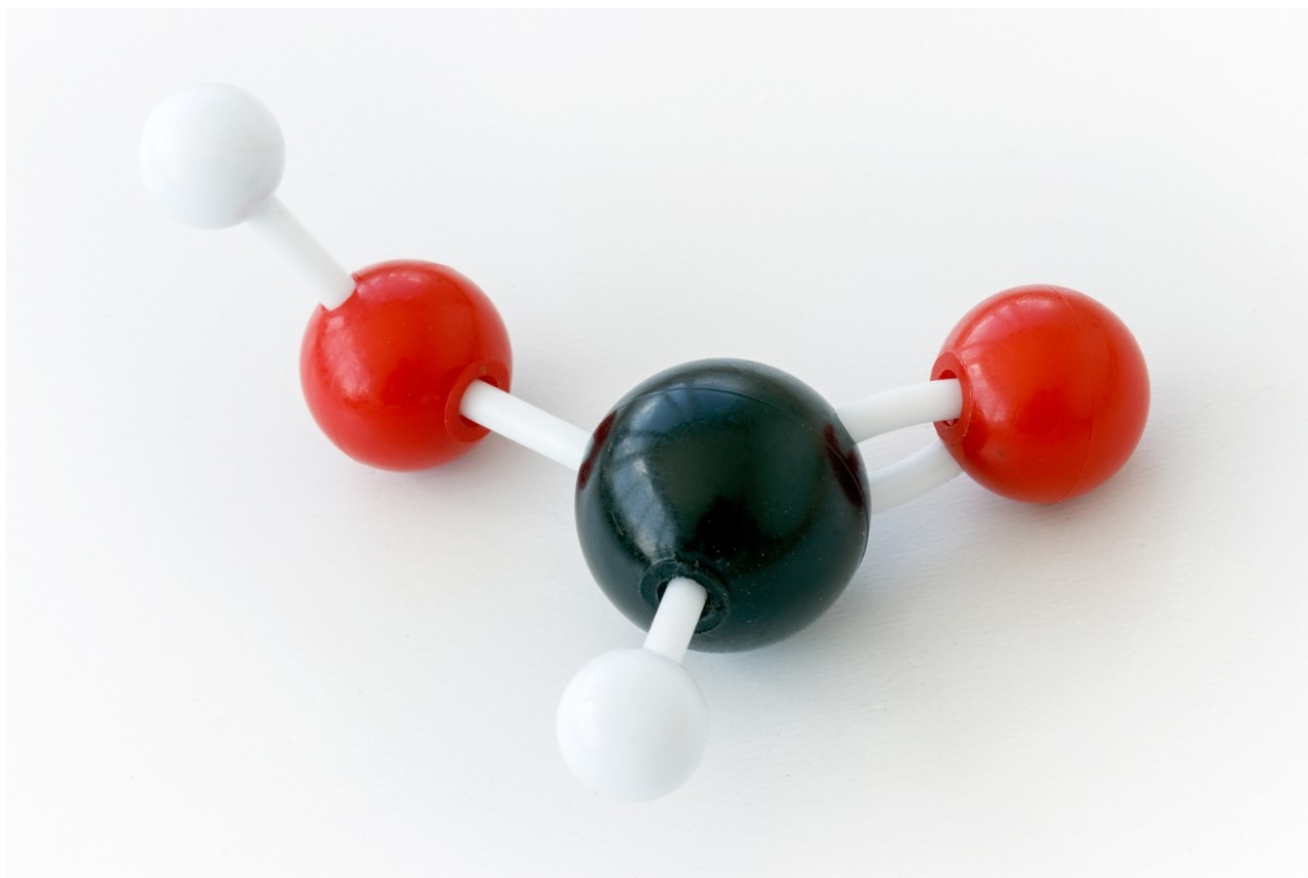


Steroids in Formic Acid

Waters Corporation



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

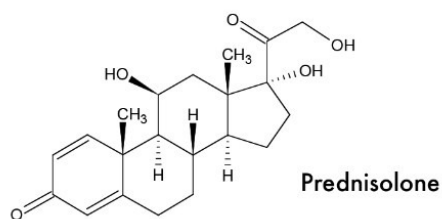
Abstract

This application brief demonstrates analysis of steroids in formic acid.

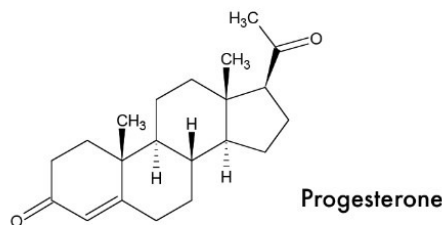
Introduction

The compounds used in this study are -

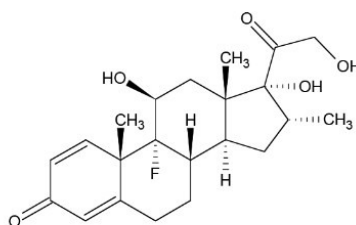
1. Prednisolone
2. Dexamethasone
3. Betamethasone 17-valerate
4. Progesterone



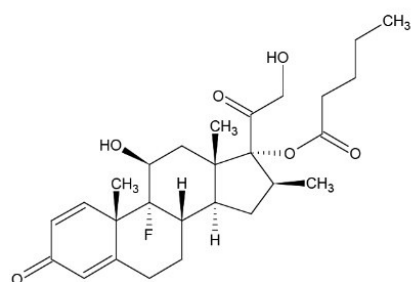
Prednisolone



Progesterone



Dexamethasone



Betamethasone 17-valerate

Experimental

Column: SunFire C₁₈ 4.6 x 150 mm, 5 μm

Part number: 186002559

Mobile phase A: 0.1% HCOOH in Water

Mobile phase B: 0.1% HCOOH in ACN

Flow rate: 1.4 mL/min

Injection volume: 10 μ L

Sample concentration: 50 mg/mL each, in DMSO

Temperature: Ambient

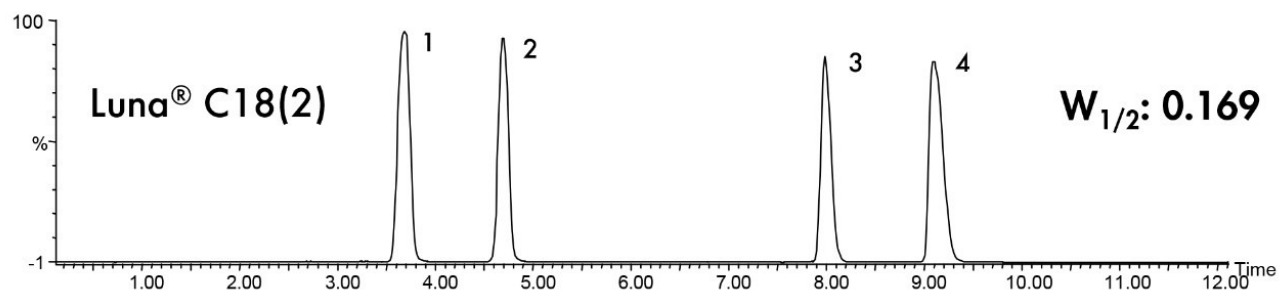
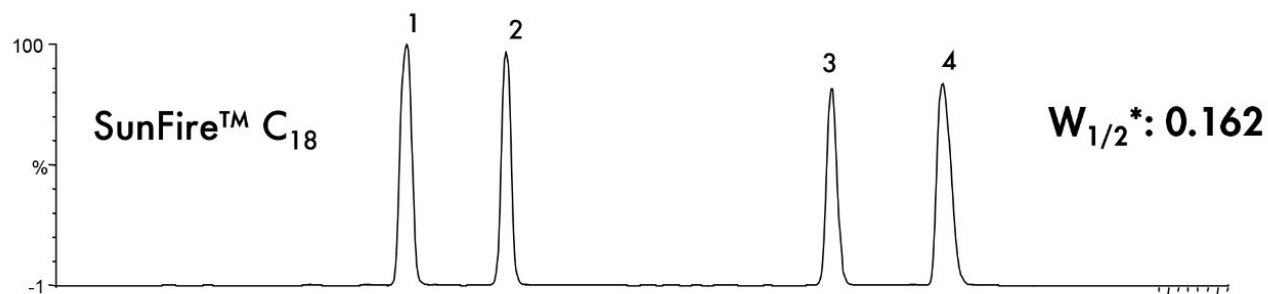
Detection: UV @ 254 nm

Instrument: AutoPurification System

Gradient

Time (min)	Profile	
	%A	%B
0.0	70	30
10.0	10	90

Results and Discussion



*: W_{1/2} value is calculated based on the half width of the 1st peak.

Featured Products

· [AutoPurification System <https://www.waters.com/10007147>](https://www.waters.com/10007147)

WA41899, March 2005



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