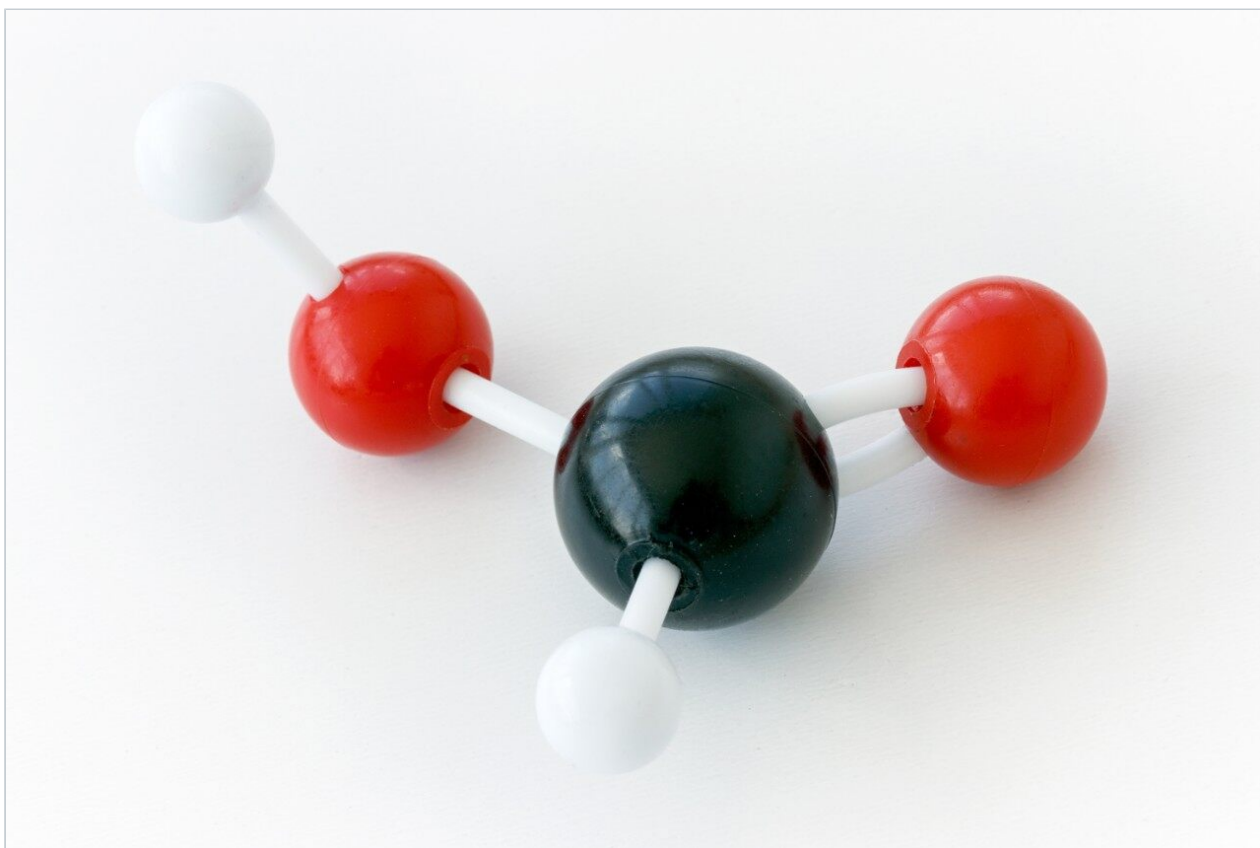


Steroids in Formic Acid

Waters Corporation



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

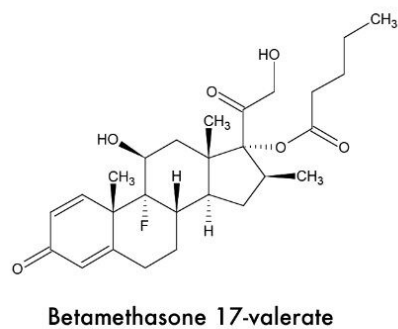
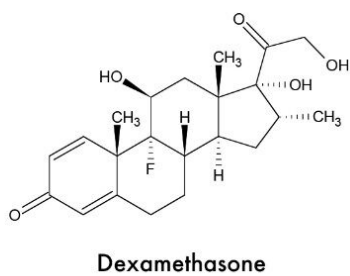
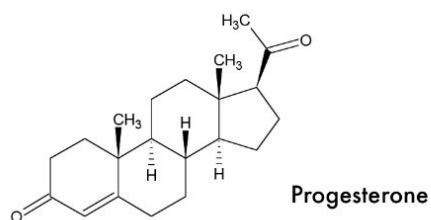
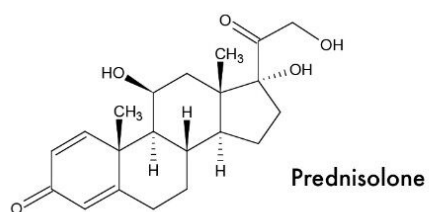
Abstract

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



Experimental

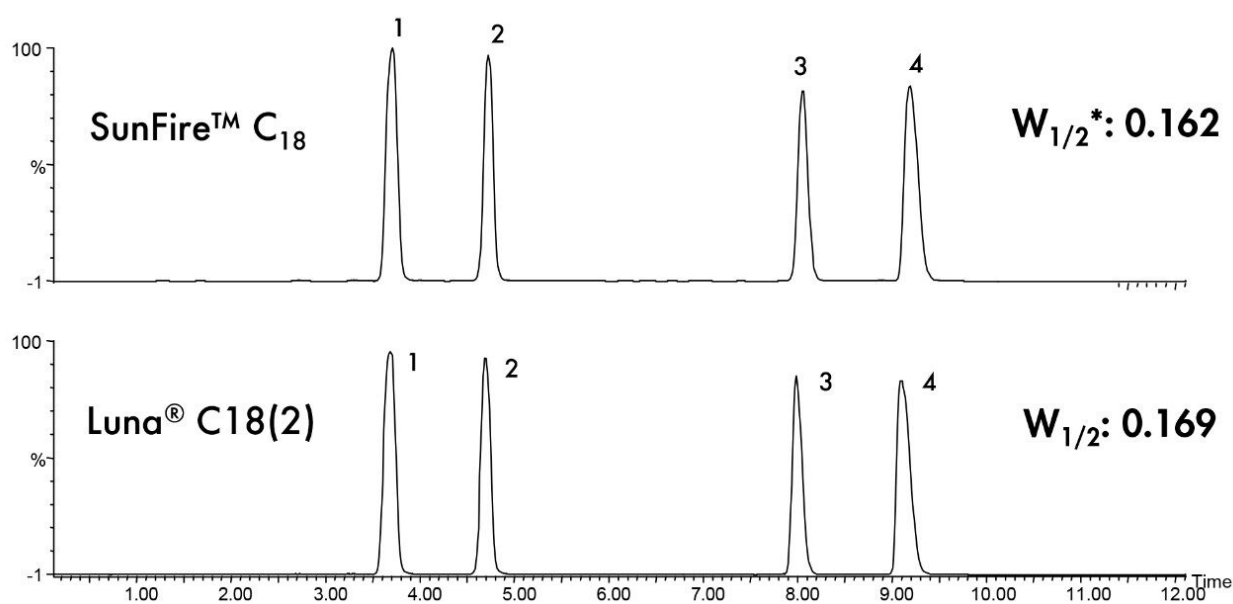
Column:	SunFire C ₁₈ 4.6 x 150 mm, 5 µm
Part number:	186002559
Mobile phase A:	0.1% HCOOH in Water

Mobile phase B:	0.1% HCOOH in ACN
Flow rate:	1.4 mL/min
Injection volume:	10 µL
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>>

WA41899, March 2005