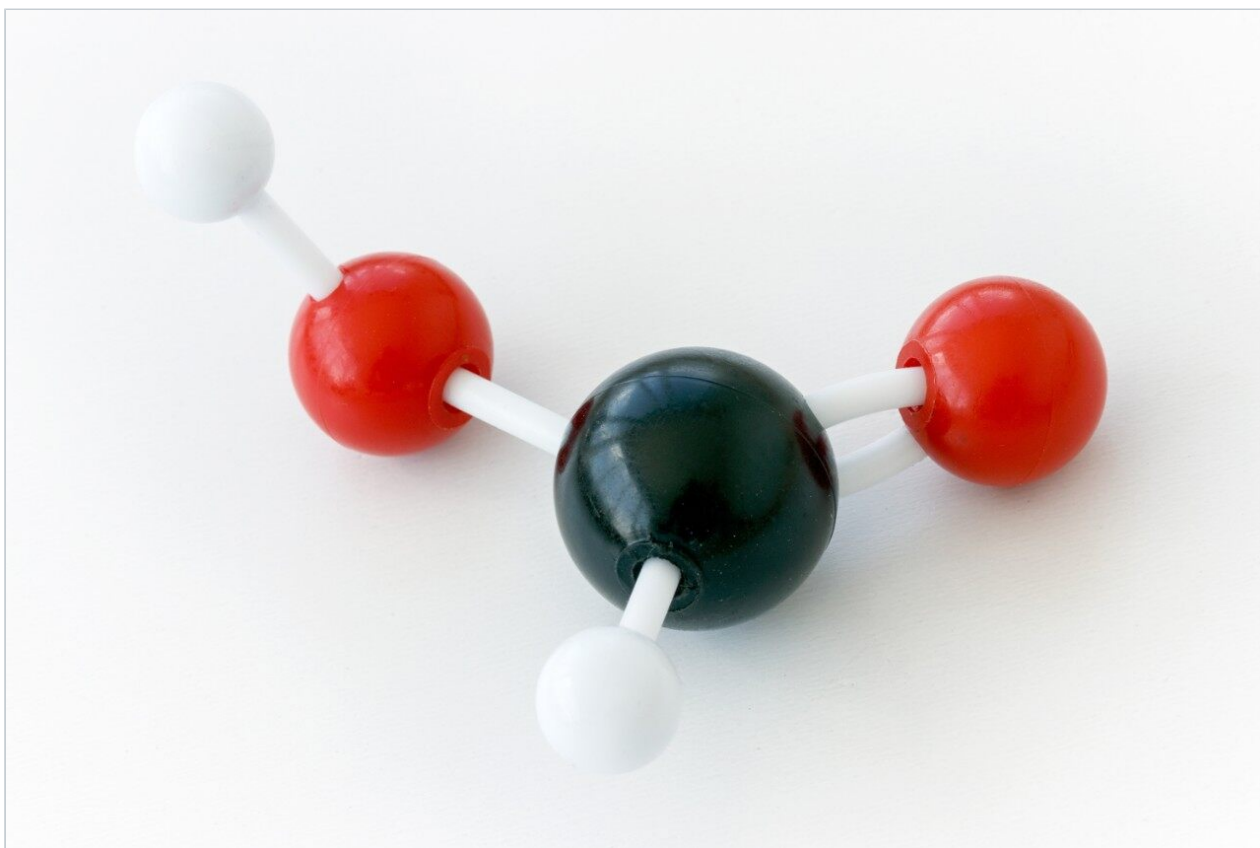


## Steroids in Formic Acid

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Waters Corporation



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

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### Abstract

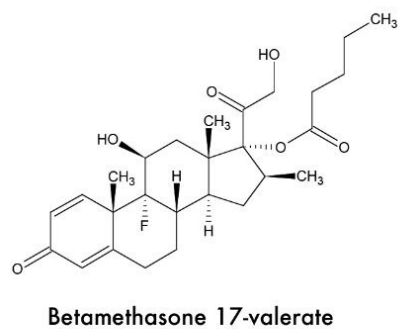
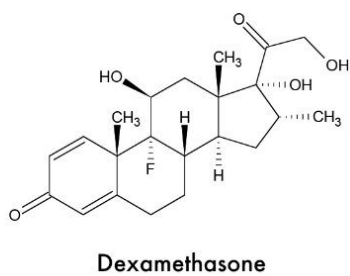
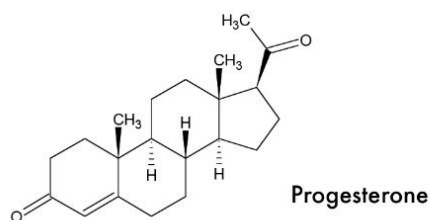
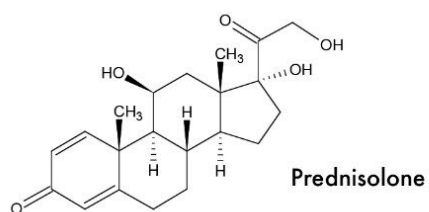
This application brief demonstrates analysis of steroids in formic acid.

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## Introduction

The compounds used in this study are -

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



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## Experimental

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

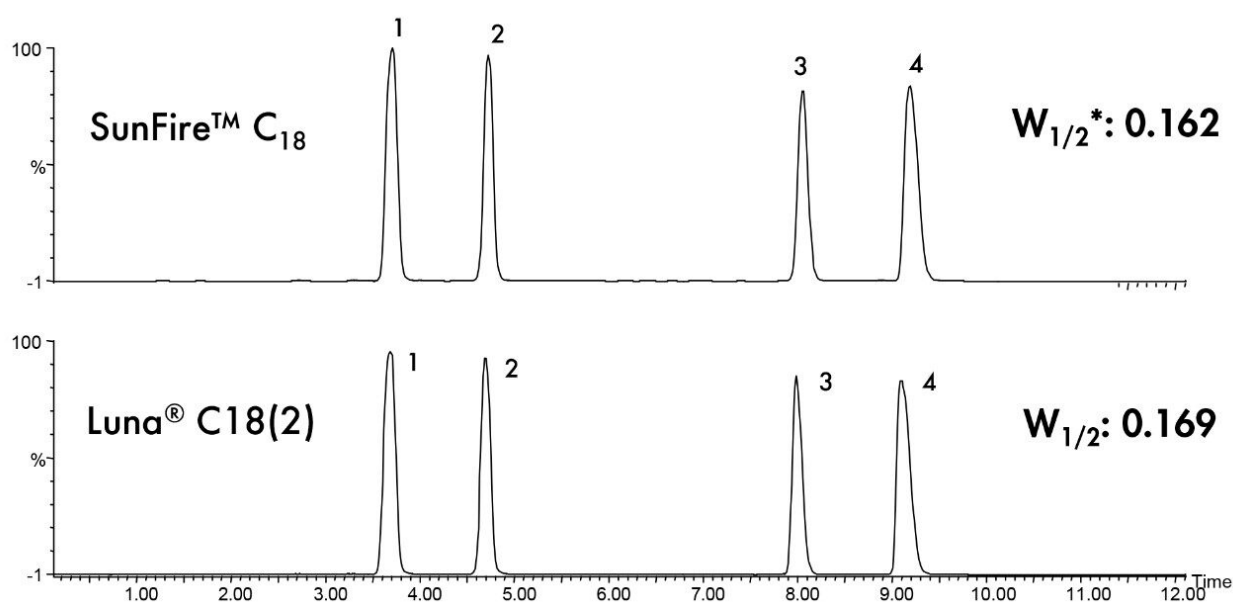
Mobile phase B:	0.1% HCOOH in ACN
Flow rate:	1.4 mL/min
Injection volume:	10 µL
Sample concentration:	50 mg/mL each, in DMSO
Temperature:	Ambient
Detection:	UV @ 254 nm
Instrument:	AutoPurification System

## Gradient

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

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## Results and Discussion



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

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## Featured Products

AutoPurification System <<https://www.waters.com/10007147>>

WA41899, March 2005