

Anesthetics

Waters Corporation



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

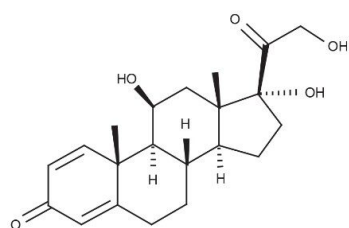
Abstract

This application brief demonstrates analysis of anesthetics.

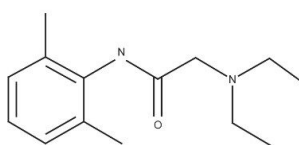
Introduction

The compounds used in this study are –

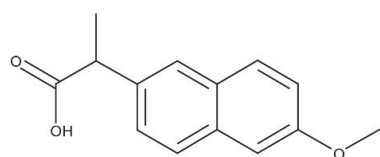
Compounds	Sample Concentration
Lidocaine	0.04 mg/mL
Prednisolone	0.01 mg/mL
Naproxen	0.003 mg/mL
Amitriptyline	0.01 mg/mL
Ibuprofen	0.04 mg/mL



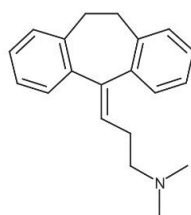
Prednisolone



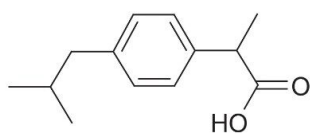
Lidocaine



Naproxen



Amitriptyline



Ibuprofen

Experimental

Conditions

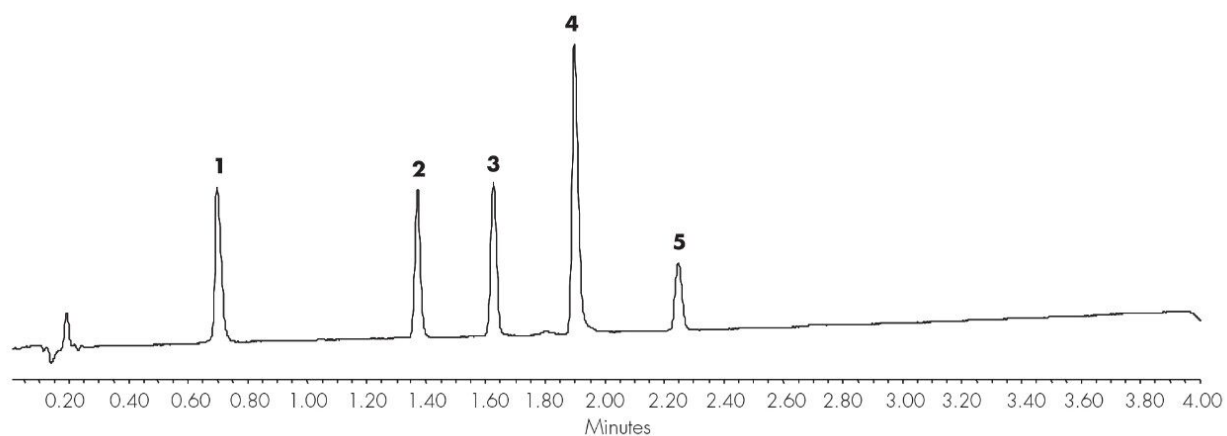
Column:	Xterra MS C ₁₈ 4.6 x 20 mm, 2.5 μm
Part number:	186001889
Mobile phase A:	H ₂ O
Mobile phase B:	ACN

Mobile phase C:	100 mM CH ₃ COONH ₄ , pH 5.0
Flow rate:	3.0 mL/min
Injection volume:	20 µL
Sample concentration:	As indicated
Temperature:	Ambient
Detection:	UV @ 238 nm
Instrument:	Alliance 2695, 2996 PDA

Gradient

Time (min)	Profile		
	%A	%B	%C
0.0	85	5	10
4.0	20	70	10

Results and Discussion



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Alliance HPLC System <<https://www.waters.com/534293>>

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