Waters™

응용 자료

Pharmaceutical Compounds High Temperature

Waters Corporation

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

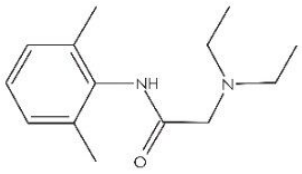
Abstract

This application brief demonstrates analysis of pharmaceutical compounds at high temperature.

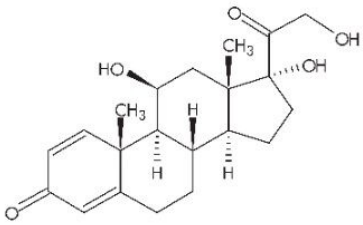
Introduction

The compounds used in this study are –

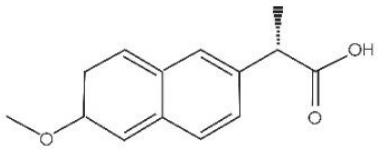
1. Lidocaine
2. Prednisolone
3. Naproxen
4. Amitriptyline
5. Ibuprofen



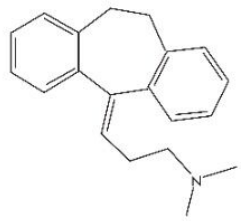
Lidocaine



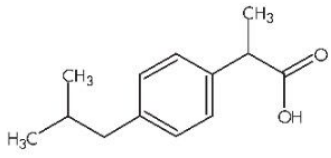
Prednisolone



Naproxen



Amitriptyline



Ibuprofen

Experimental

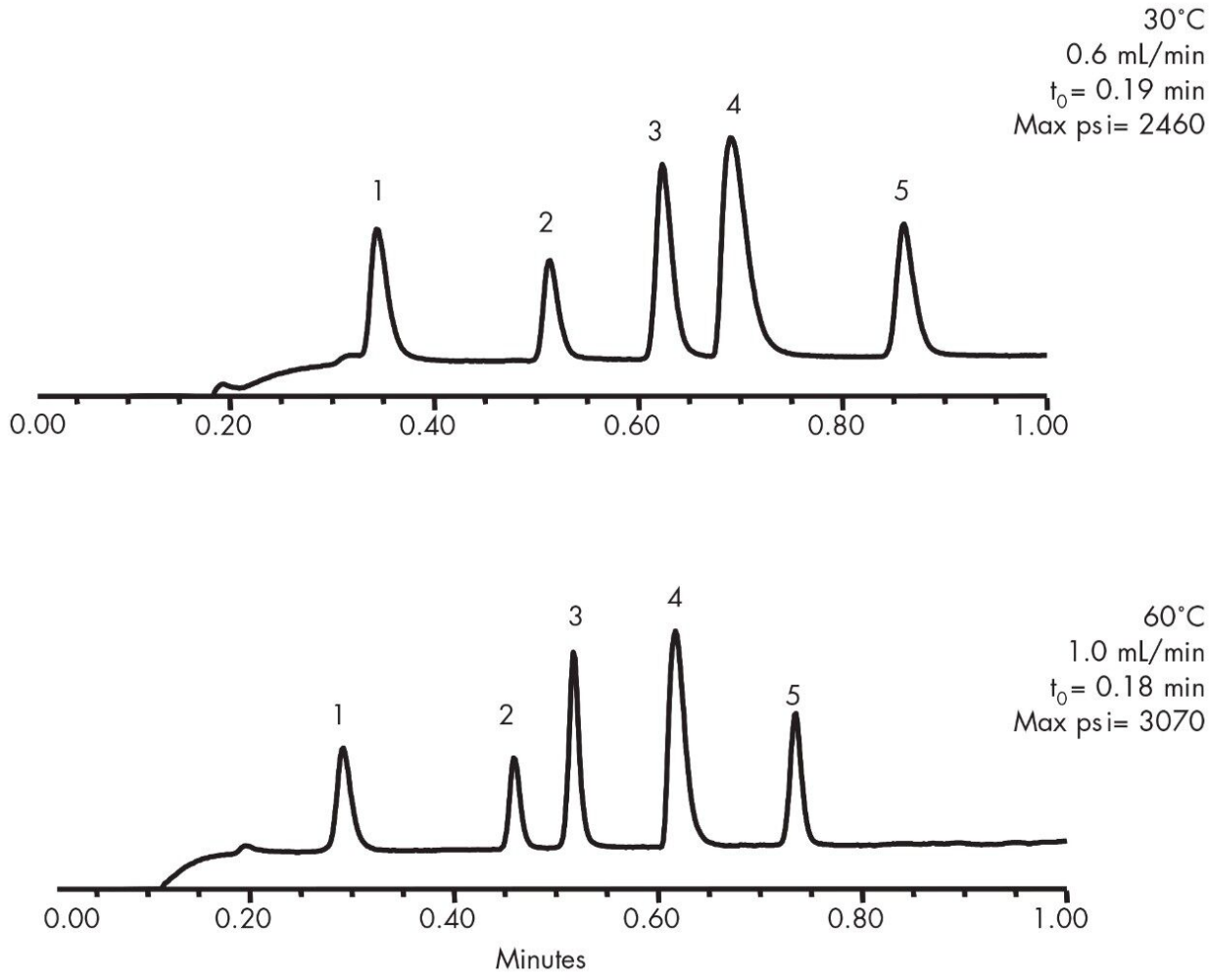
LC Conditions

Column:	Xterra MS C_{18}, 2.1 x 20 mm *IS*, 2.5 µm, (p/n: 186001921)
Mobile phase A:	10 mM CH_3COOHN_4, pH 5.0/ACN (97/3)
Mobile phase B:	10 mM CH_3COOHN_4, pH 5.0/ACN (10/90)
Flow rate:	0.6 mL/min; 1.0 mL/min
Injection volume:	10 µL
Sample concentration:	20 µg/mL
Temperature:	30 °C; 60 °C
Detection:	UV @ 210 nm
Instrument:	Alliance 2795 with 996 PDA

Gradient

Time (min)	Profile	
	%A	%B
0.0	95	5
1.7	5	95

Results and Discussion



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