Waters™

응용 자료

Profens, Gradient – 4.6 x 20 mm Intelligent Speed Separation Columns

Waters Corporation

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

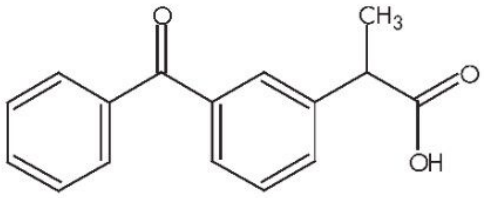
Abstract

This application brief demonstrates analysis of profens.

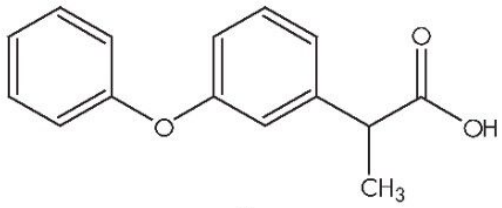
Introduction

The compounds analyzed in this study are:

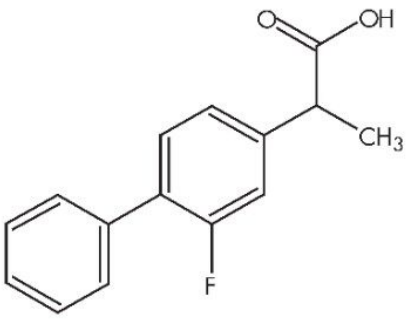
1. Ketoprofen
2. Fenoprofen
3. Flurbiprofen
4. Ibuprofen



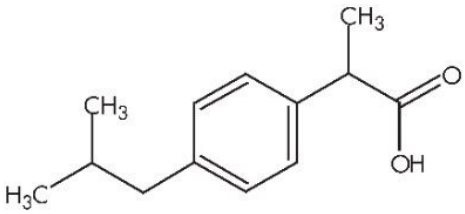
Ketoprofen



Fenoprofen



Flurbiprofen



Ibuprofen

Experimental

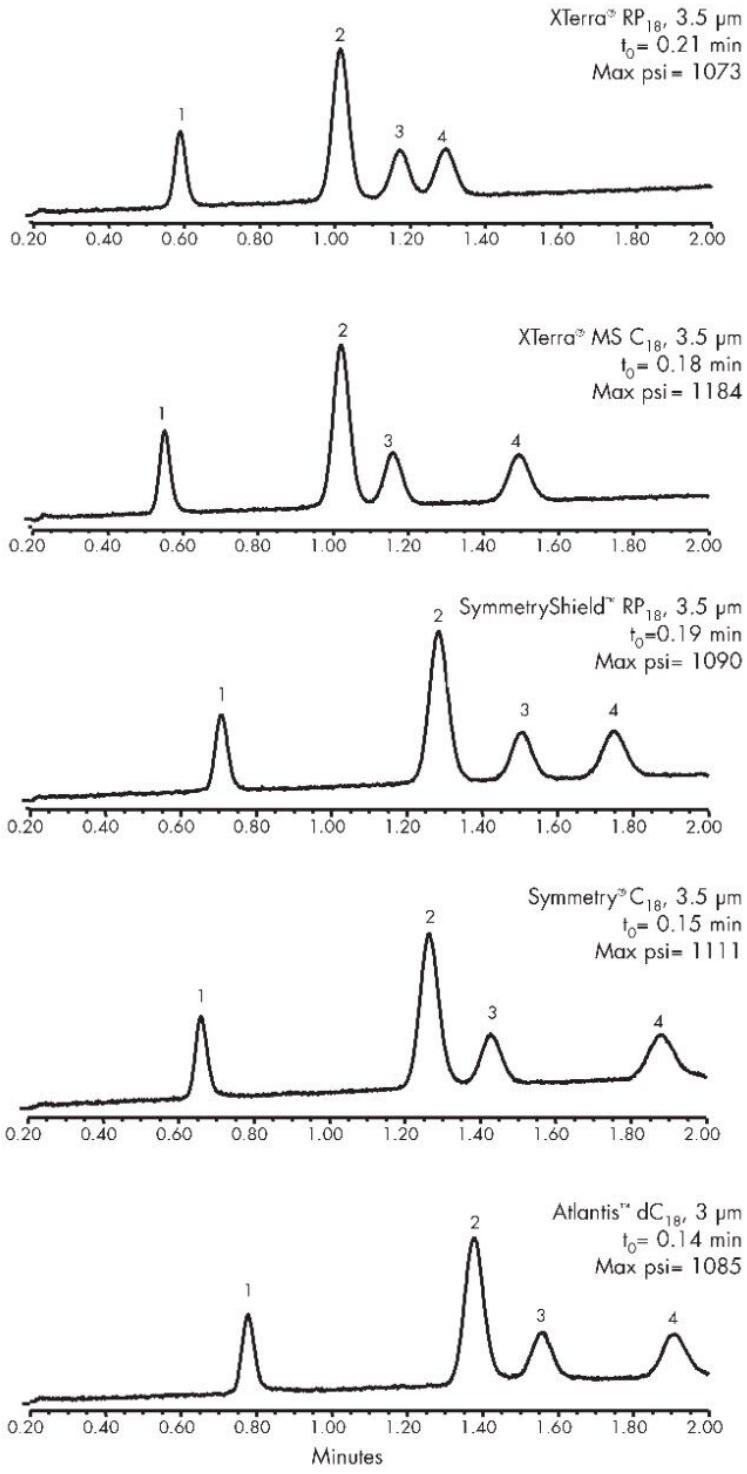
Conditions

Columns:	XTerra RP_{18}, 4.6 x 20 mm IS, 3.5 µm, (P/N:186001893)
	XTerra MS C_{18}, 4.6 x 20 mm IS,3.5 µm, (P/N:186001891)
	Symmetry Shield RP_{18}, 4.6 x 20 mm IS,3.5 µm, (P/N:186002092)
	Symmetry C_{18}, 4.6 x 20 mm IS, 3.5 µm, (P/N:186002090)
	Atlantis dC_{18}, 4.6 x 20 mm IS, 3 µm, (P/N:186002062)
Mobile phase A:	0.1% HCOOH in Water
Mobile phase B:	0.1% HCOOH in Acetonitrile
Flow rate:	3.0 mL/min
Injection volume:	10 µL
Sample concentration:	20 µg/mL
Temperature:	30˚C
Detection:	UV @ 224 nm
Instrument:	Alliance 2795 with 996 PDA

Gradient

Time (min)	Profile	
	%A	%B
0.0	65	35
2.0	60	40

Results and Discussion



Featured Products

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

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