

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.

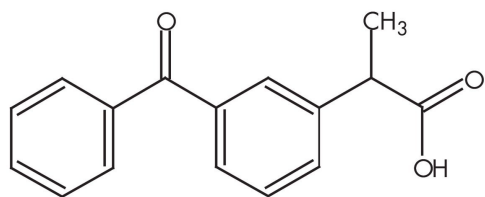
Abstract

This application brief demonstrates analysis of profens.

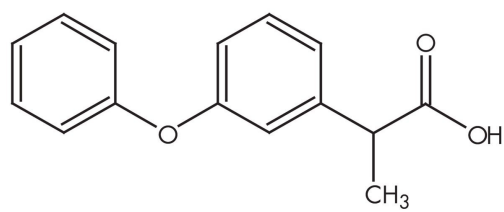
Introduction

The compounds analyzed in this study are:

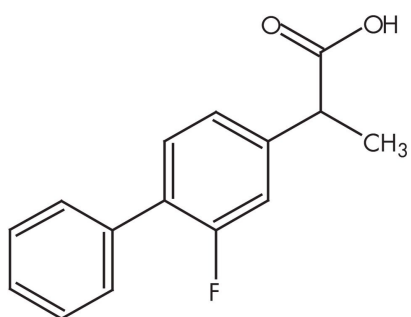
1. Ketoprofen
2. Fenoprofen
3. Flurbiprofen
4. Ibuprofen



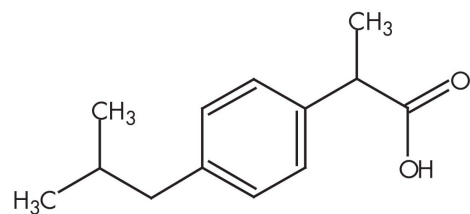
Ketoprofen



Fenoprofen



Flurbiprofen



Ibuprofen

Experimental

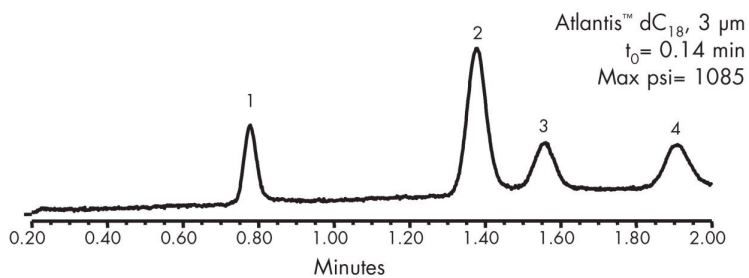
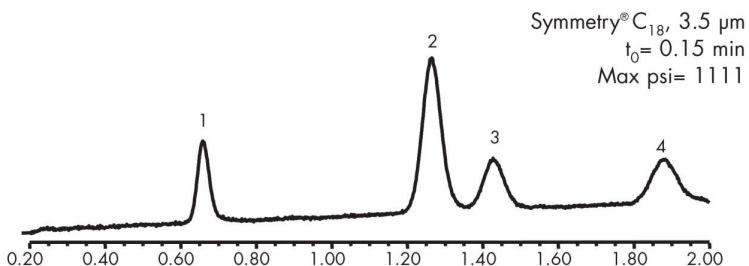
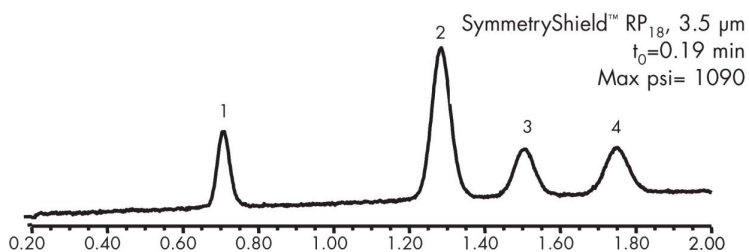
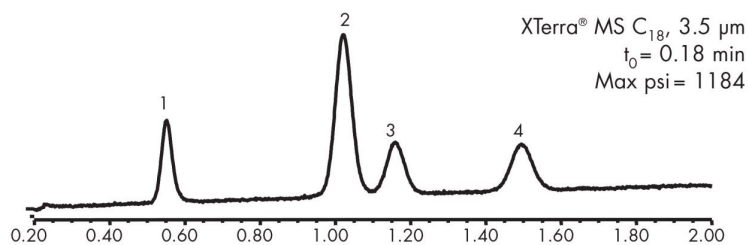
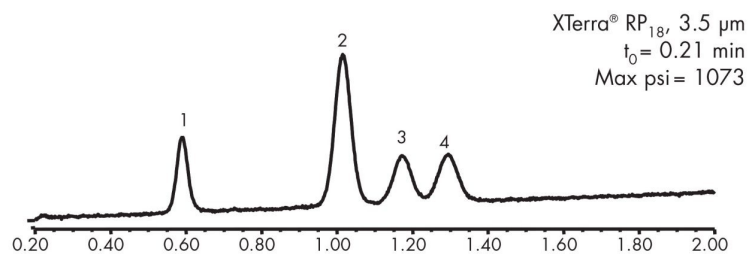
Conditions

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>](https://www.waters.com/534293)

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