Waters™

アプリケーションノート

Profens (Gradient) - 4.6 x 20 mm Intelligent Speed Separation

Waters Corporation

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

Abstract

This application brief highlights the Intelligent Speed separation of profens using Symmetry and SymmetryShield columns.

Introduction

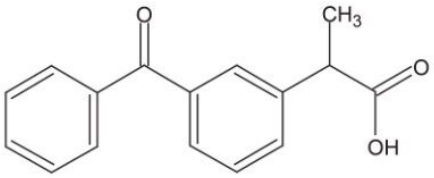
Compounds used in this application brief are:

1. Ketoprofen

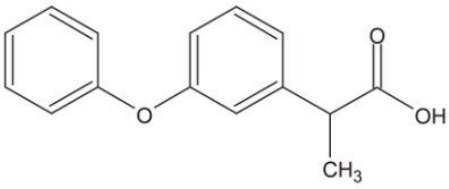
2. Fenoprofen

3. Flurbiprofen

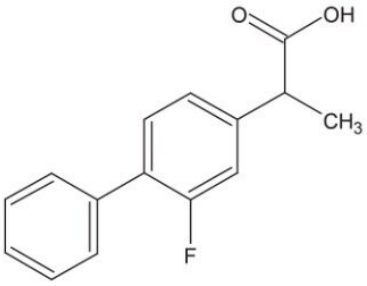
4. Ibuprofen



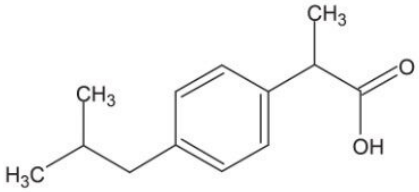
1. Ketoprofen



2. Fenoprofen



3. Flurbiprofen



4. Ibuprofen

Experimental

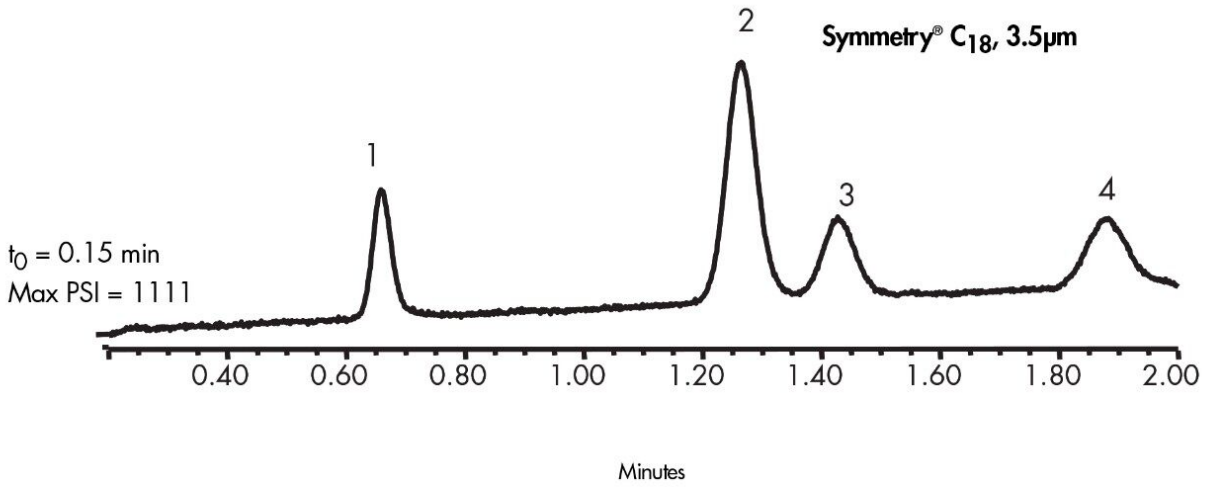
HPLC Method

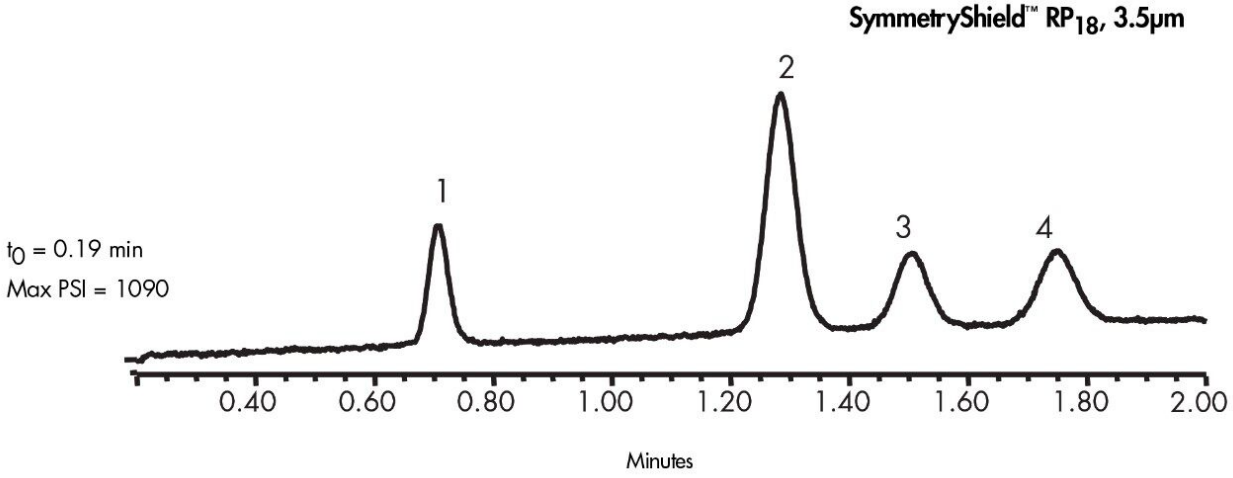
Column:	Symmetry C_{18}, 4.6 x 20 mm, 3.5 µm IS (p/n: 186002090) SymmetryShield RP_{18}, 4.6 x 20 mm, 3.5 µm IS (p/n: 186002092)
Mobile phase A:	0.1% HCOOH in Water
Mobile phase B:	0.1% HCOOH in CAN
Flow rate:	3.0 mL/min
Injection volume:	10 µL
Detection:	UV @ 220 nm

Gradient

Time (min)	Profile	
	%A	%B
0	65	35
2	60	40

Results and Discussion





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WA31763.131, June 2003

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