

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

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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

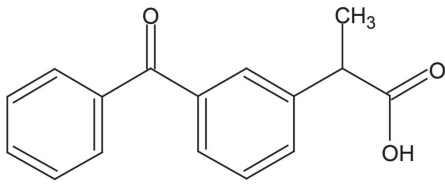
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columns.

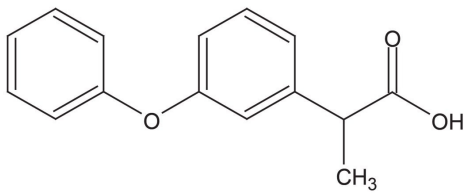
## Introduction

Compounds used in this application brief are:

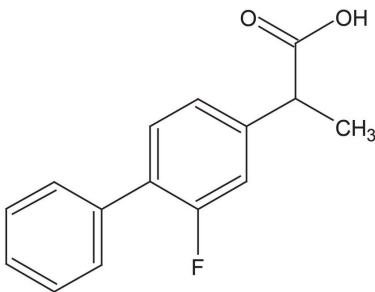
1. Ketoprofen
2. Fenoprofen
3. Flurbiprofen
4. Ibuprofen



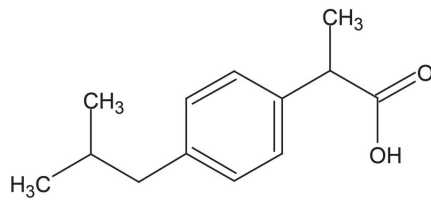
### 1. Ketoprofen



### 2. Fenoprofen



### 3. Flurbiprofen



### 4. Ibuprofen

Experimental

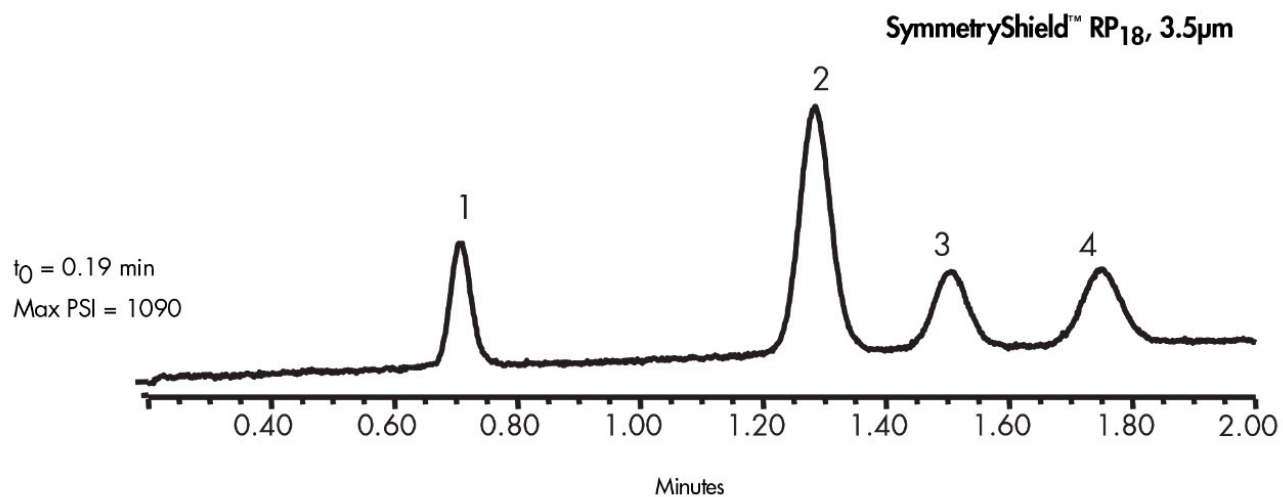
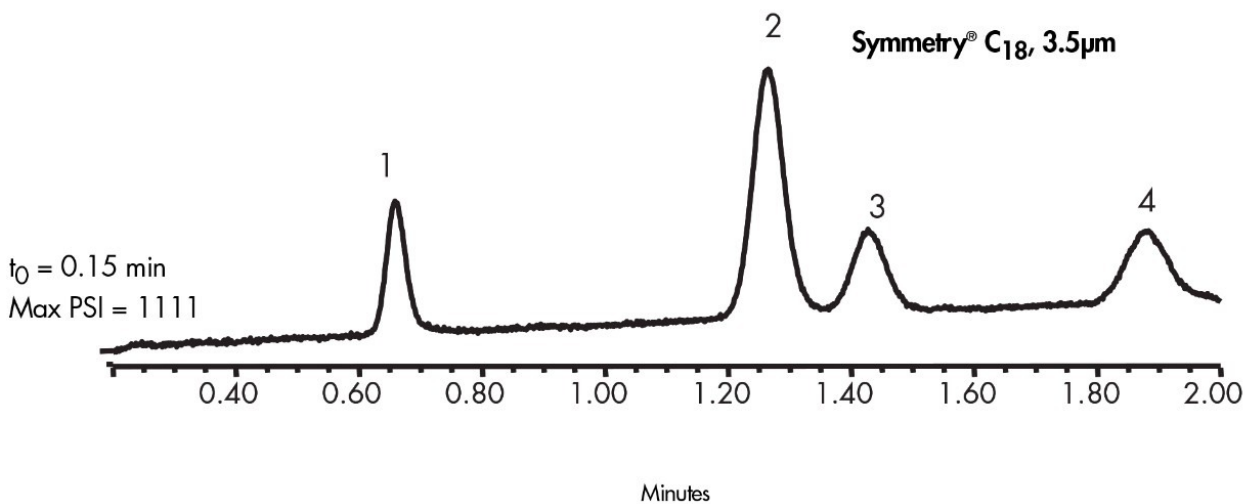
## HPLC Method

|                   |                                                                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Column:           | Symmetry C <sub>18</sub> , 4.6 x 20 mm, 3.5 µm IS (p/n: 186002090)<br><br>SymmetryShield RP <sub>18</sub> , 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<br>(min) | Profile |    |
|---------------|---------|----|
|               | %A      | %B |
| 0             | 65      | 35 |
| 2             | 60      | 40 |

## Results and Discussion



## Featured Products

WA31763.131, June 2003



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