

## Application Note

# Non-Steroidal Inflammatory Drugs (NSAIDs) - XTerra Phenyl

---

Waters Corporation



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

---

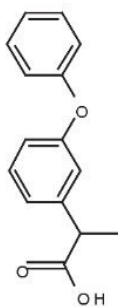
## Abstract

This application brief highlights the analysis of Non-Steroidal Inflammatory Drugs (NSAIDS) using XTerra Phenyl columns.

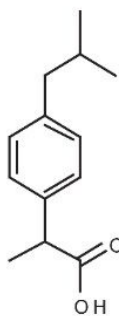
---

## Introduction

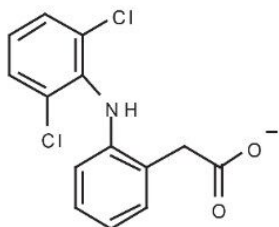
Non-Steroidal Inflammatory Drugs has been analyzed in this application brief.



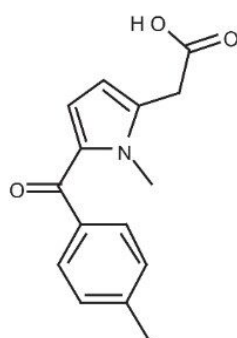
Fenopropfen



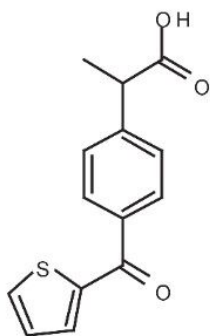
Ibuprofen



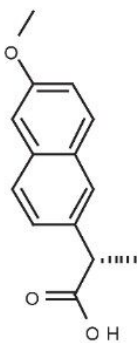
Diclofenac



Tolmetin



Suprofen



Naproxen

---

Experimental

HPLC Conditions

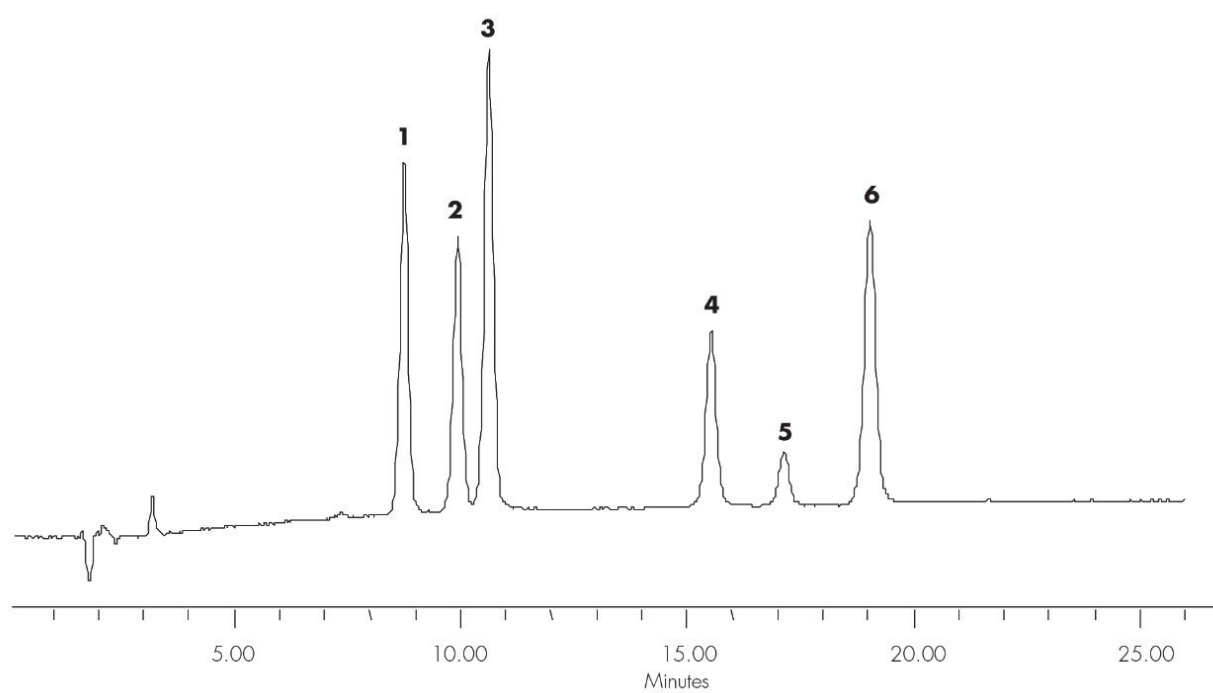
|                   |                                                    |
|-------------------|----------------------------------------------------|
| Column:           | Xterra Phenyl, 4.6 x 150 mm, 5 µm (p/n: 186001146) |
| Mobile phase A:   | H <sub>2</sub> O                                   |
| Mobile phase B:   | MeOH                                               |
| Mobile phase C:   | 50 mM HCOOH, pH 2.45                               |
| Flow rate:        | 1.0 mL/min                                         |
| Injection volume: | 15 µL                                              |
| Detection:        | UV @ 254 nm                                        |
| Instrument:       | Alliance 2695, 2996 PDA                            |

Gradient

| Time<br>(min) | Profile |    |    |
|---------------|---------|----|----|
|               | %A      | %B | %C |
| 0.0           | 40      | 50 | 10 |
| 20.0          | 25      | 65 | 10 |
| 35.0          | 25      | 65 | 10 |

---

Results and Discussion



---

## Featured Products

Alliance HPLC <<https://www.waters.com/514248>>

WA20738.079, June 2002