

Application Note

## Non-Steroidal Inflammatory Drugs (NSAIDs) - XTerra MS C<sub>18</sub>

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Waters Corporation



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

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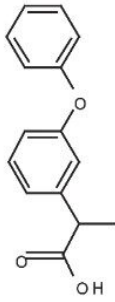
### Abstract

In this application brief highlights the analysis of Non-Steroidal Inflammatory Drugs (NSAIDS) using XTerra MS C<sub>18</sub> columns.

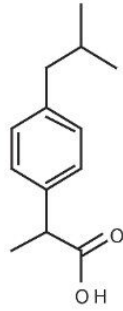
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## Introduction

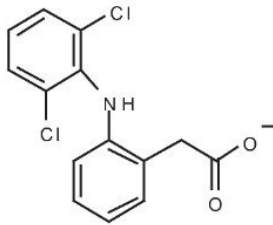
Non-Steroidal Inflammatory Drugs has been analyzed in this study.



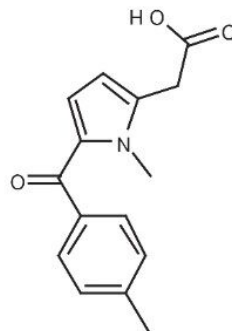
Fenoprofen



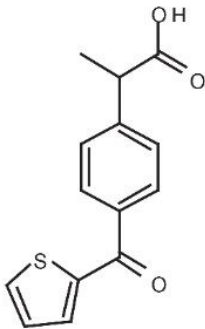
Ibuprofen



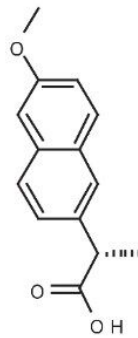
Diclofenac



Tolmetin



Suprofen



Naproxen

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Experimental

## HPLC Conditions

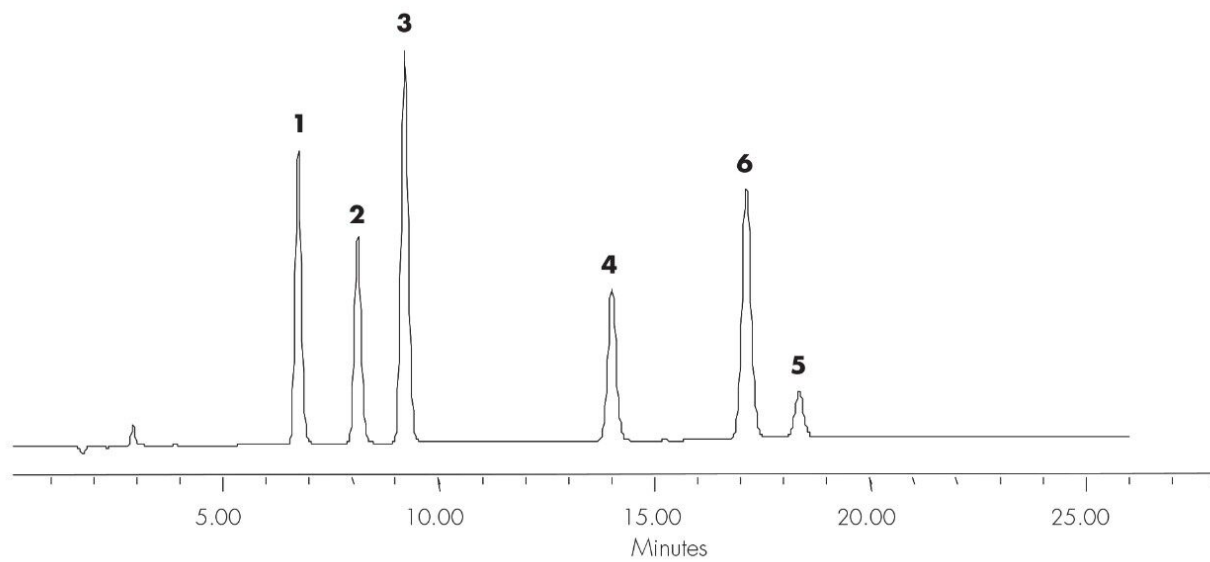
Column:	Xterra MSR MS <sub>18</sub> 4.6 x 150 mm, 5 µm (p/n: 186000491)
Mobile phase A:	H <sub>2</sub> O
Mobile phase B:	MeOH
Mobile phase C:	50 mM HCOOH, pH 2.45
Flow rate:	1.0 mL/min
Injection volume:	15 µL
Detection:	UV @ 254 nm
Instrument:	Alliance 2695, 2996 PDA

## Gradient

Time (min)	Profile		
	%A	%B	%C
0.0	40	50	10
20.0	25	65	10
35.0	25	65	10

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## Results and Discussion



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

WA20738.078, June 2002