

## Suprofen - LC-UV

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Waters Corporation



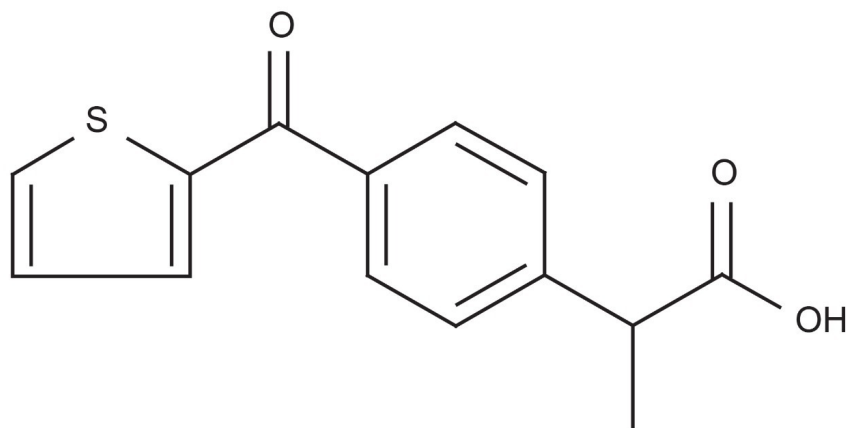
This is an Application Brief and does not contain a detailed Experimental section.

### Abstract

This application brief demonstrates analysis of suprofen by LC-UV.

## Introduction

The compound analyzed in this study is suprofen by LC-UV.



# Suprofen

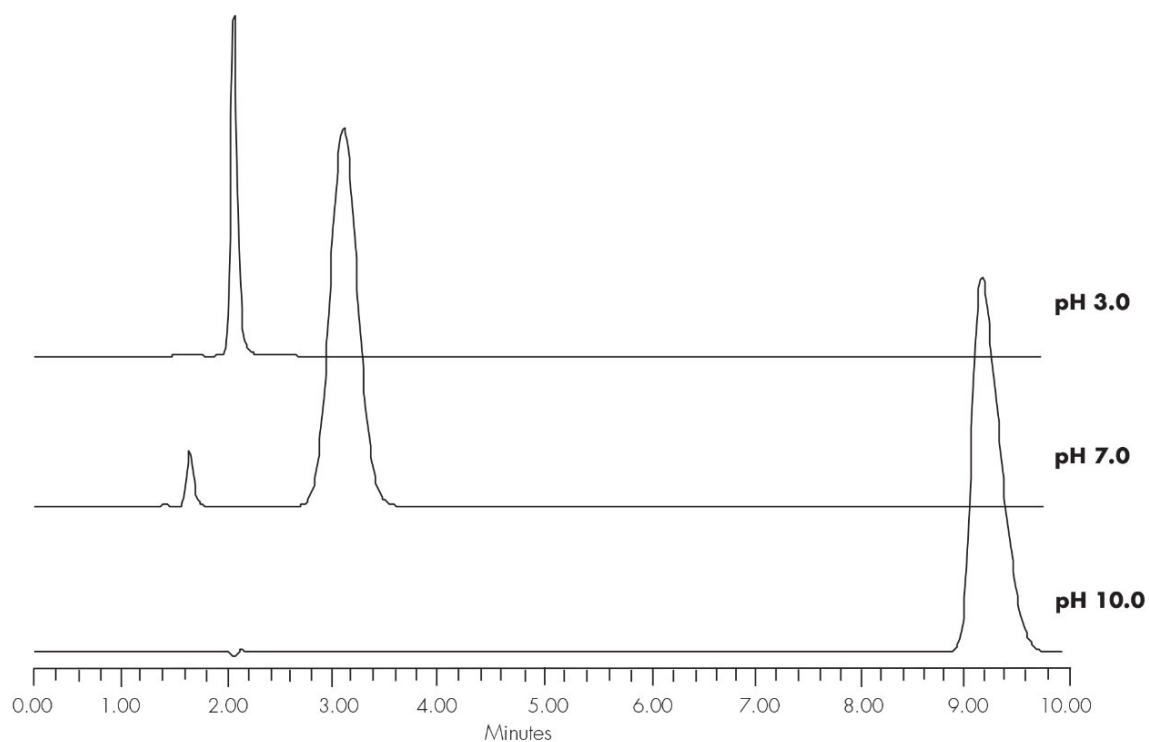
## Experimental

### Conditions

|               |                                                                                                                                                                                                                                                                     |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Column:       | Xterra RP <sub>18</sub> 4.6 x 150 mm, 5 μm                                                                                                                                                                                                                          |
| Part number:  | 186000492                                                                                                                                                                                                                                                           |
| Mobile phase: | pH 3.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> COOH, pH 3.0<br>15:75:10<br><br>pH 7.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 7.0<br>50:40:10<br><br>pH 10.0 H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 10.0 |

|                   |                         |
|-------------------|-------------------------|
|                   | 75:15:10                |
| Flow rate:        | 1.0 mL/min              |
| Injection volume: | 5 µL of 250 µg/mL       |
| Temperature:      | 30 °C                   |
| Detection:        | UV @ 280 nm             |
| Instrument:       | Alliance 2695, 2996 PDA |
| Mobile Phase pH   | USP Tailing             |
| 3.0               | 1.2                     |
| 7.0               | 1.06                    |
| 10.0              | 1.55                    |

## Results and Discussion



## Featured Products

- [Alliance HPLC System <https://www.waters.com/534293>](https://www.waters.com/534293)

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