

Note d'application

## Chlorzoxazone in Rat Plasma Using XTerra Columns

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Waters Corporation



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

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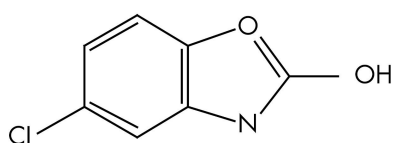
### Abstract

This application brief highlights the analysis of chlorzoxazone using XTerra MS C<sub>18</sub> columns.

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## Introduction

Chlorzoxazone is analyzed in rat plasma in this application brief.



Chlorzoxazone

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## Experimental

### HPLC Conditions

|                                     |                                                                |
|-------------------------------------|----------------------------------------------------------------|
| Column:                             | XTerra MS C <sub>18</sub> 2.1 x 30 mm, 3.5 µm (p/n: 186000398) |
| Mobile phase A:                     | 0.2% HCOOH                                                     |
| Mobile phase B:                     | ACN                                                            |
| Flow rate:                          | 0.2 mL/min                                                     |
| Isocratic mobile phase composition: | 45% A; 55% B                                                   |
| Injection volume:                   | 20 µL                                                          |
| Detection:                          | MS ESI-                                                        |

|             |                                         |
|-------------|-----------------------------------------|
| Instrument: | Alliance 2790, Micromass Quattro Ultima |
|-------------|-----------------------------------------|

## MS Conditions

|             |      |
|-------------|------|
| Ion source: | ESI+ |
|-------------|------|

|               |        |
|---------------|--------|
| Source temp.: | 150 °C |
|---------------|--------|

|           |                                |
|-----------|--------------------------------|
| Gas cell: | $1.5\text{e}^{-3}$ mbar, 20 eV |
|-----------|--------------------------------|

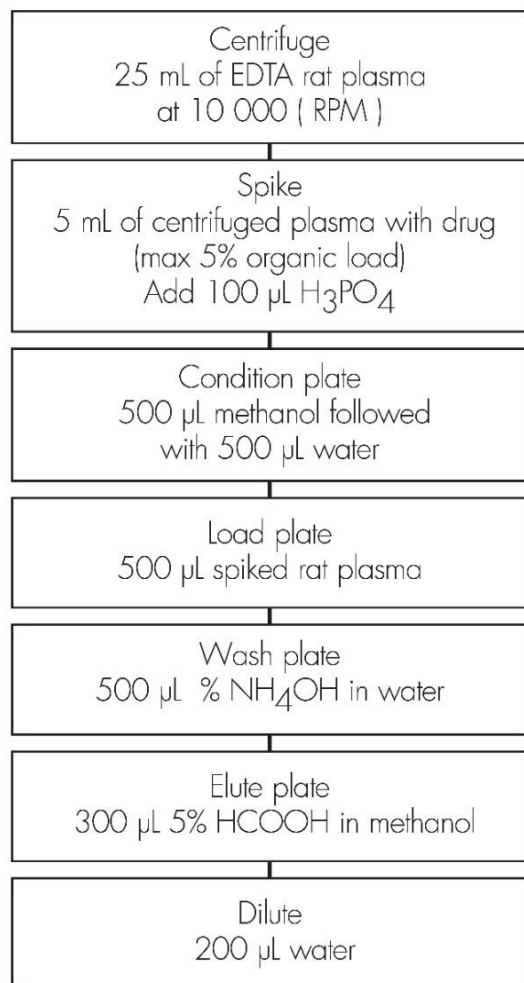
|                    |        |
|--------------------|--------|
| Desolvation temp.: | 350 °C |
|--------------------|--------|

|                |          |
|----------------|----------|
| Cone gas flow: | 150 L/hr |
|----------------|----------|

|                 |          |
|-----------------|----------|
| Drying ga flow: | 600 L/hr |
|-----------------|----------|

|               |      |
|---------------|------|
| Cone voltage: | 30 V |
|---------------|------|

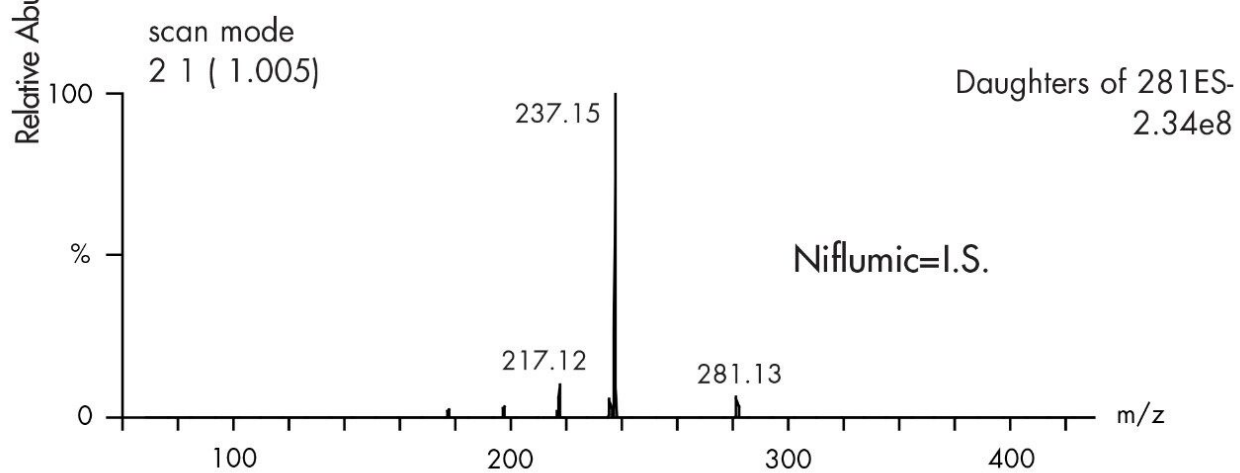
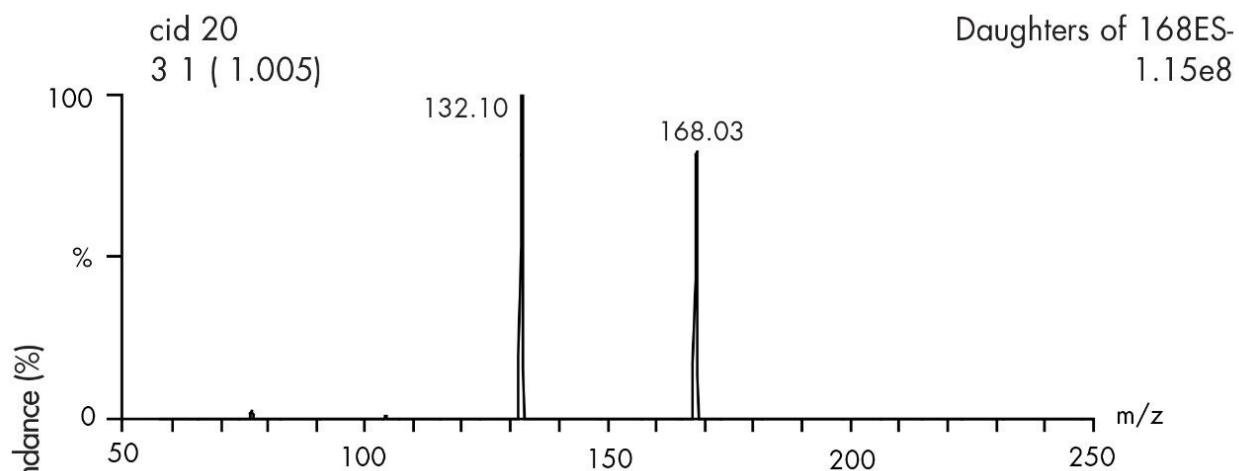
Oasis® MAX Extraction Method  
Oasis® MAX Extraction Plate, 10 mg/96-well  
Part Number 186000375



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## Results and Discussion

## CID mass spectra



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

WA20738.025, June 2002

