

Application Note

Chlorzoxazone in Rat Plasma Using XTerra Columns

Waters Corporation



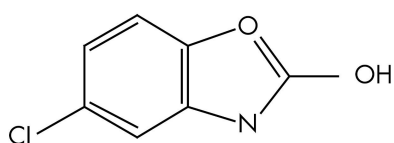
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of chlorzoxazone using XTerra MS C₁₈ columns.

Introduction

Chlorzoxazone is analyzed in rat plasma in this application brief.



Chlorzoxazone

Experimental

HPLC Conditions

Column:	XTerra MS C ₁₈ 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:	1.5e^{-3} mbar, 20 eV
-----------	--------------------------------

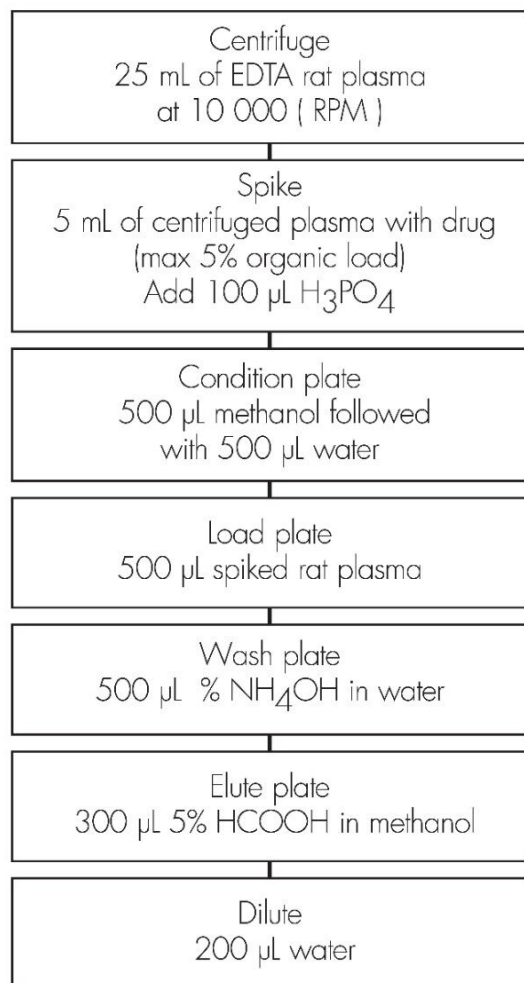
Desolvation temp.:	350 °C
--------------------	--------

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

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

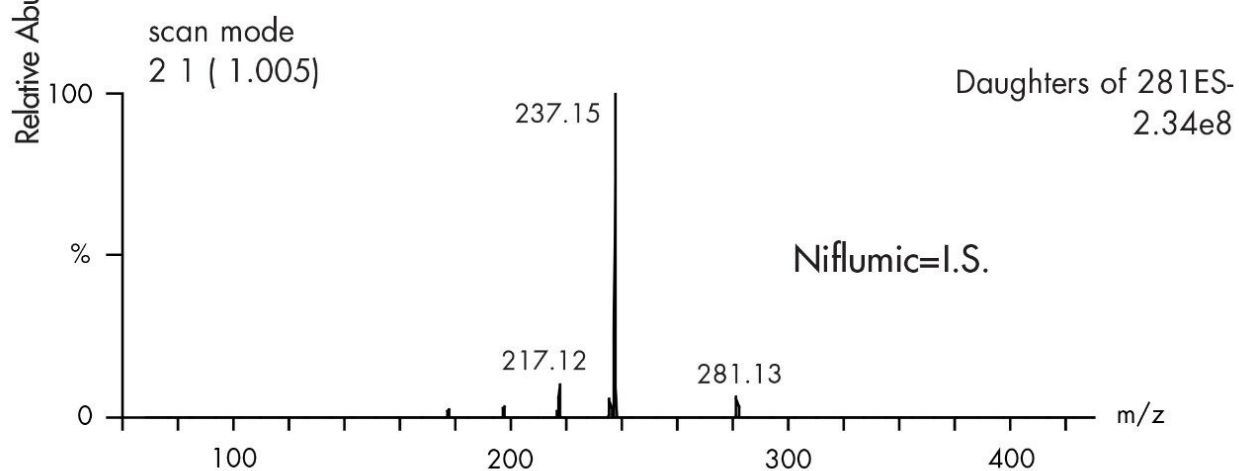
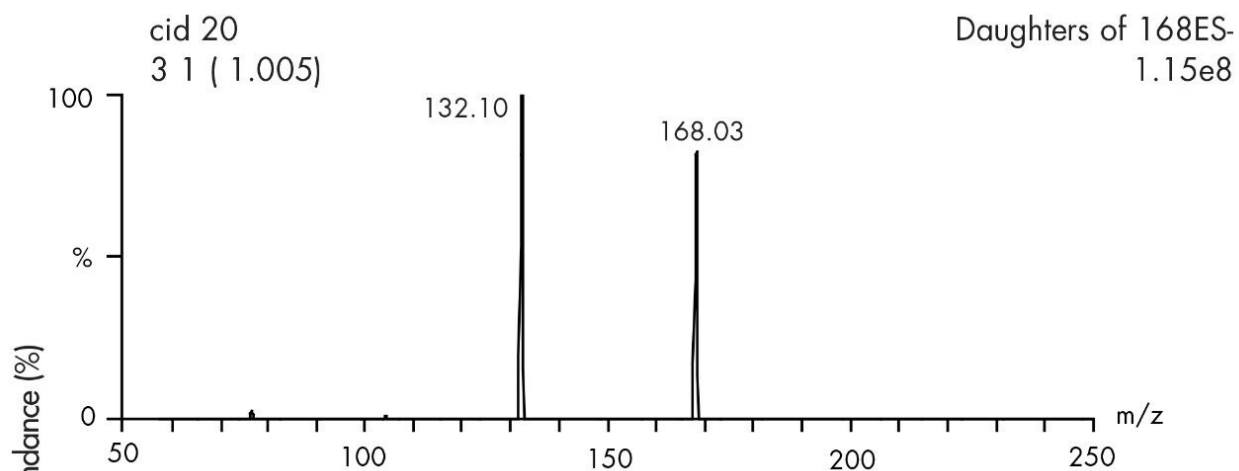
Cone voltage:	30 V
---------------	------

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



Results and Discussion

CID mass spectra



Featured Products

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

WA20738.025, June 2002

