Waters™

Application Note

Diclofenac in Rat Plasma

Waters Corporation

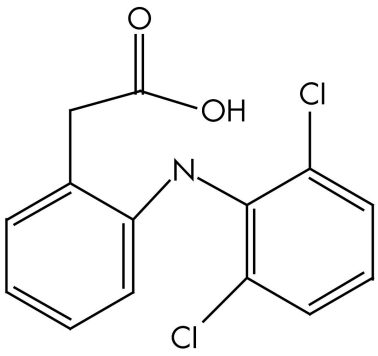
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of diclofenac using XTerra MS C_{18} columns.

Introduction

Diclofenac in rat plasma has been analyzed in this study.



Diclofenac

Experimental

HPLC Conditions

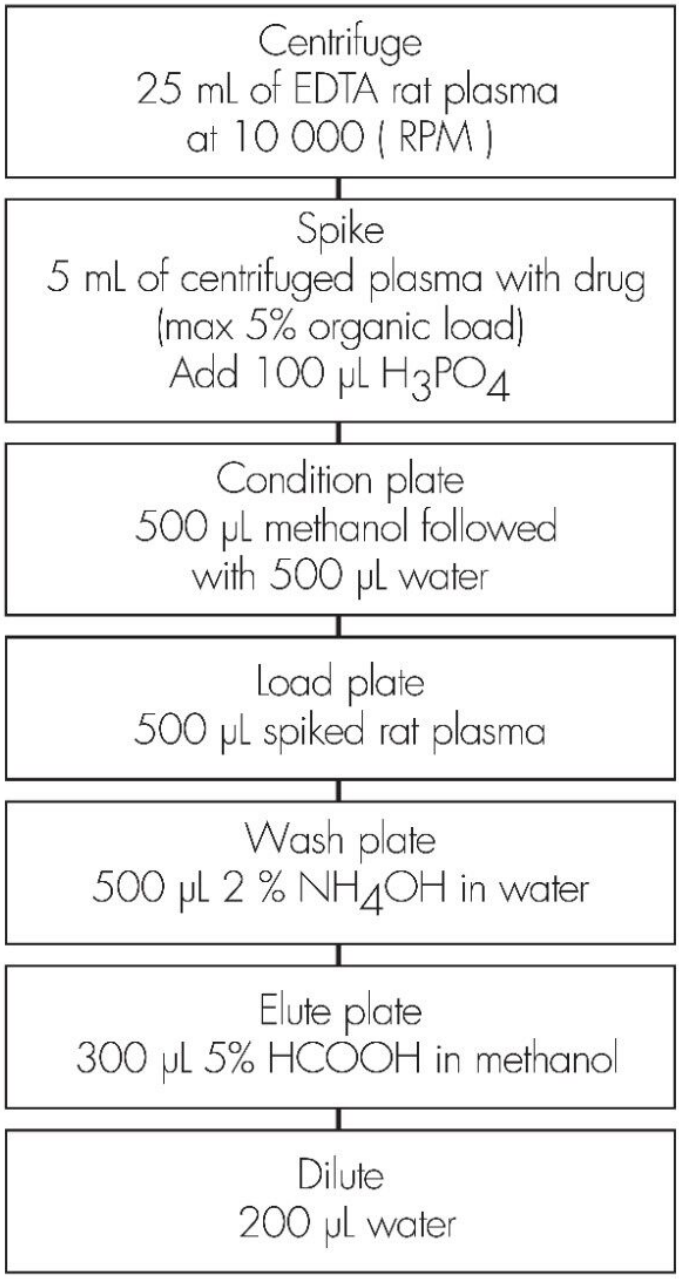
Column:	XTerra MS C_{18} 2.1 x 30 mm, 3.5 µm (p/n: 186000398)
Mobile phase A:	0.05% HCOOH
Mobile phase B:	ACN
Isocratic mobile phase composition:	60% A; 40% B
Flow rate:	0.2 mL/min
Injection volume:	50 µL

Detection:	MS ESI-
Instrument:	Alliance 2790, Micromass Quattro Ultima

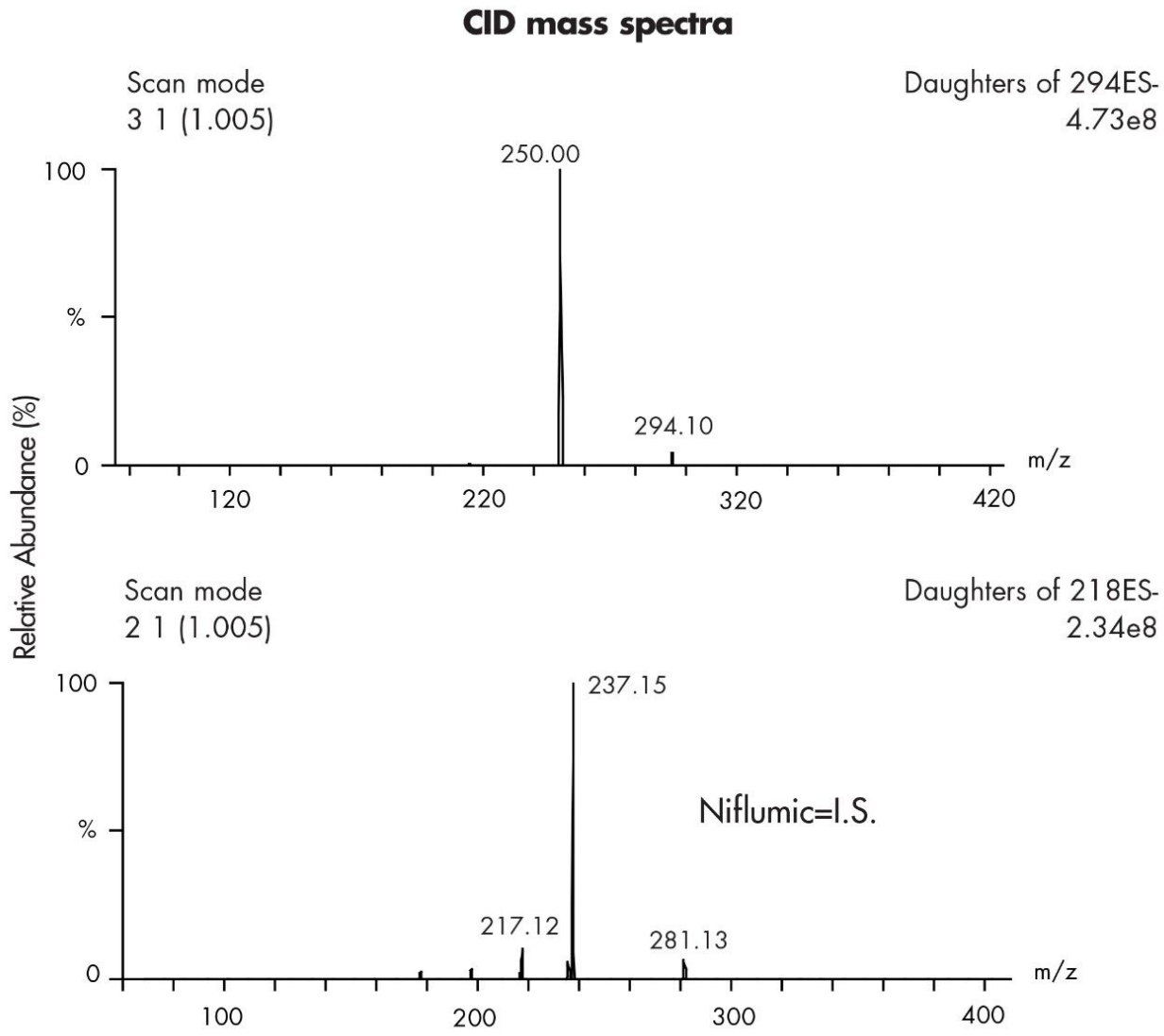
MS Conditions

Ion source:	ESI-
Source temp.:	150 °C
Gas cell:	$1.5e^{-3}$ mbar, 12 eV
Desolvation temp.:	350 °C
Cone gas flow:	150 L/hr
Drying gas 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



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