Waters™

Application Note

Dibucaine - Isocratic, pH 2.5, LC-MS

Waters Corporation

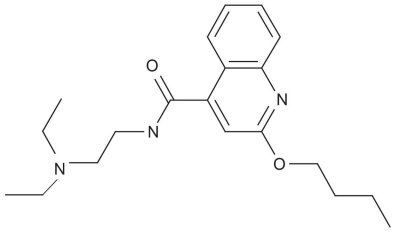
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

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

Introduction

Dibucaine has been analyzed in this application brief.



Dibucaine

Experimental

HPLC Conditions

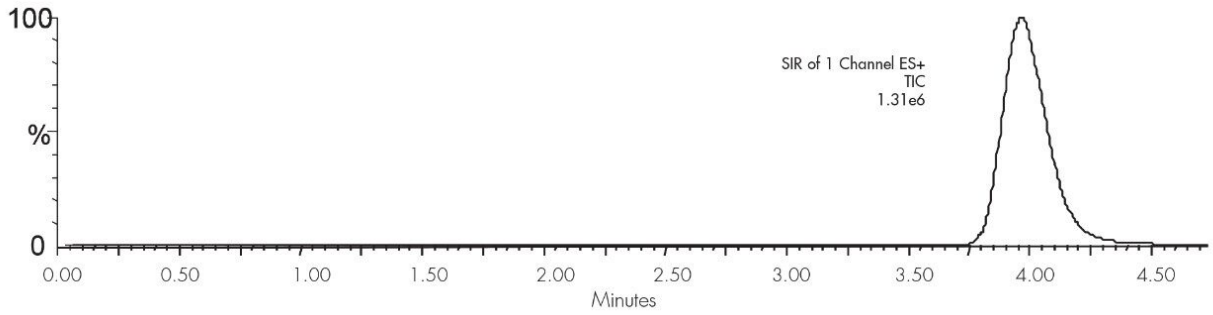
Column:	XTerra MS C_{18} 2.1 x 30 mm, 3.5 µm (p/n: 186000398)
Mobile phase A:	0.1% HCOOH in H_2O
Mobile phase B:	0.1% HCOOH in ACN
Isocratic mobile phase composition:	77% A; 23% B
Flow rate:	0.2 mL/min to MS
Injection volume:	20 µL of 100 pg/µL
Temperature:	Ambient
Detection:	MS ESI+, SIR 344.3

Instrument:	Alliance 2795 HT, Micromass ZQ

MS Conditions

MS sytem:	Micromass ZQ
Ion source:	ESI+
Capillary:	3.0 kV
Cone:	35 V
Extractor:	3.0
Source temp.:	150 °C
Desolvation temp.:	350 °C
Cone gas flow:	60 L/hr
Desolvation gas flow:	500 L/hr
LM Resolution:	15
HM Resolution:	15
Ion energy:	1
Multiplier (V):	650

Results and Discussion



Featured Products

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

WA20738.035, June 2002