

Dibucaine – Isocratic, pH 9.5, LC-MS

Waters Corporation



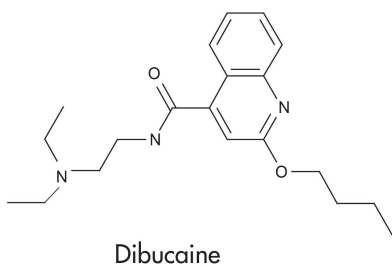
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

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

Introduction

Dibucaine has been analyzed using LC-MS in this study.



Experimental

HPLC Conditions

Column:	XTerra MS C ₁₈ 2.1 x 30 mm, 3.5 μm (p/n: 186000398)
Mobile phase A:	0.1% NH ₄ OH in H ₂ O
Mobile phase B:	0.1% NH ₄ OH in ACN
Isocratic mobile phase composition:	55% A; 45% 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
------------	-----

RF Lens:	0.5
----------	-----

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

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

Cone gas flow:	60 L/hr
----------------	---------

Desolvation gas flow:	500 L/hr
-----------------------	----------

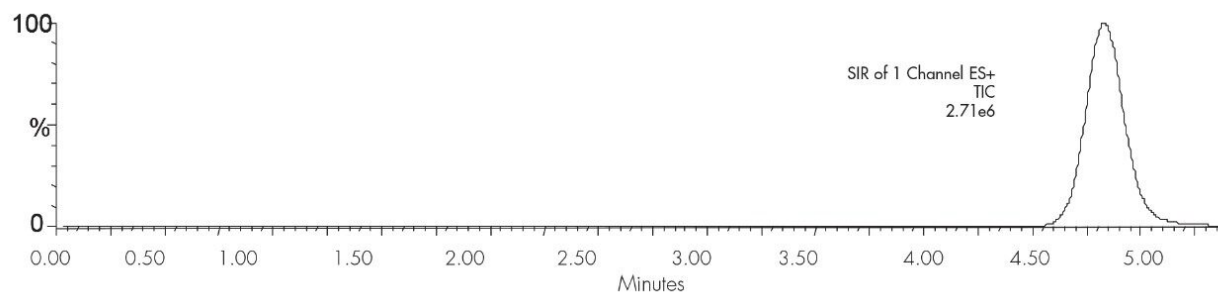
LM Resolution:	15
----------------	----

HM Resolution:	15
----------------	----

Ion energy:	1
-------------	---

Multiplier (V):	650
-----------------	-----

Results and Discussion



Featured Products

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

WA20738.036, June 2002