



Dibucaine – Isocratic, pH 9.5, LC-MS

Waters Corporation



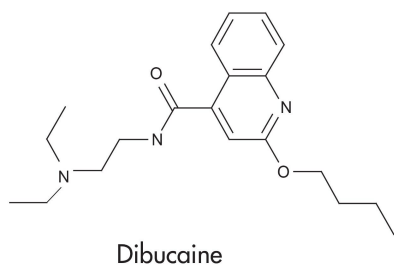
This is an Application Brief and does not contain a detailed Experimental section.

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
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MS Conditions

MS sytem:	Micromass ZQ
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Ion source:	ESI+
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Capillary:	3.0 kV
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Cone:	35 V
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Extractor:	3.0
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RF Lens:	0.5
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Source temp.:	150 °C
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Desolvation temp.:	350 °C
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Cone gas flow:	60 L/hr
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Desolvation gas flow:	500 L/hr
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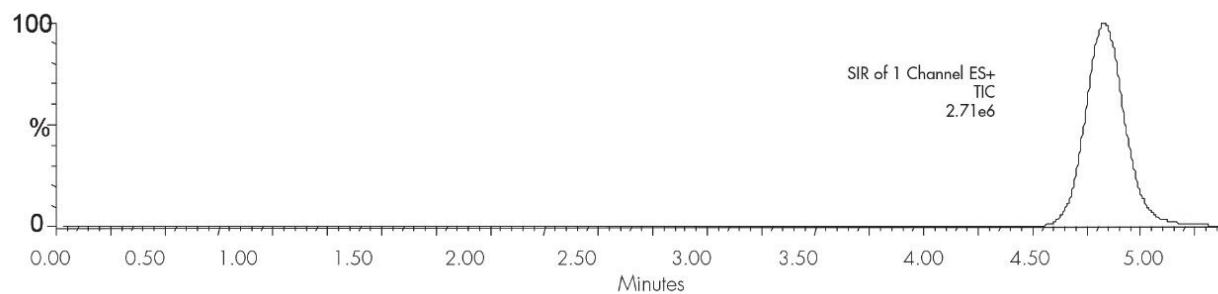
LM Resolution:	15
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HM Resolution:	15
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Ion energy:	1
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Multiplier (V):	650
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Results and Discussion



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