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Application Note

Verapamil - pH 9.5, LC-MS

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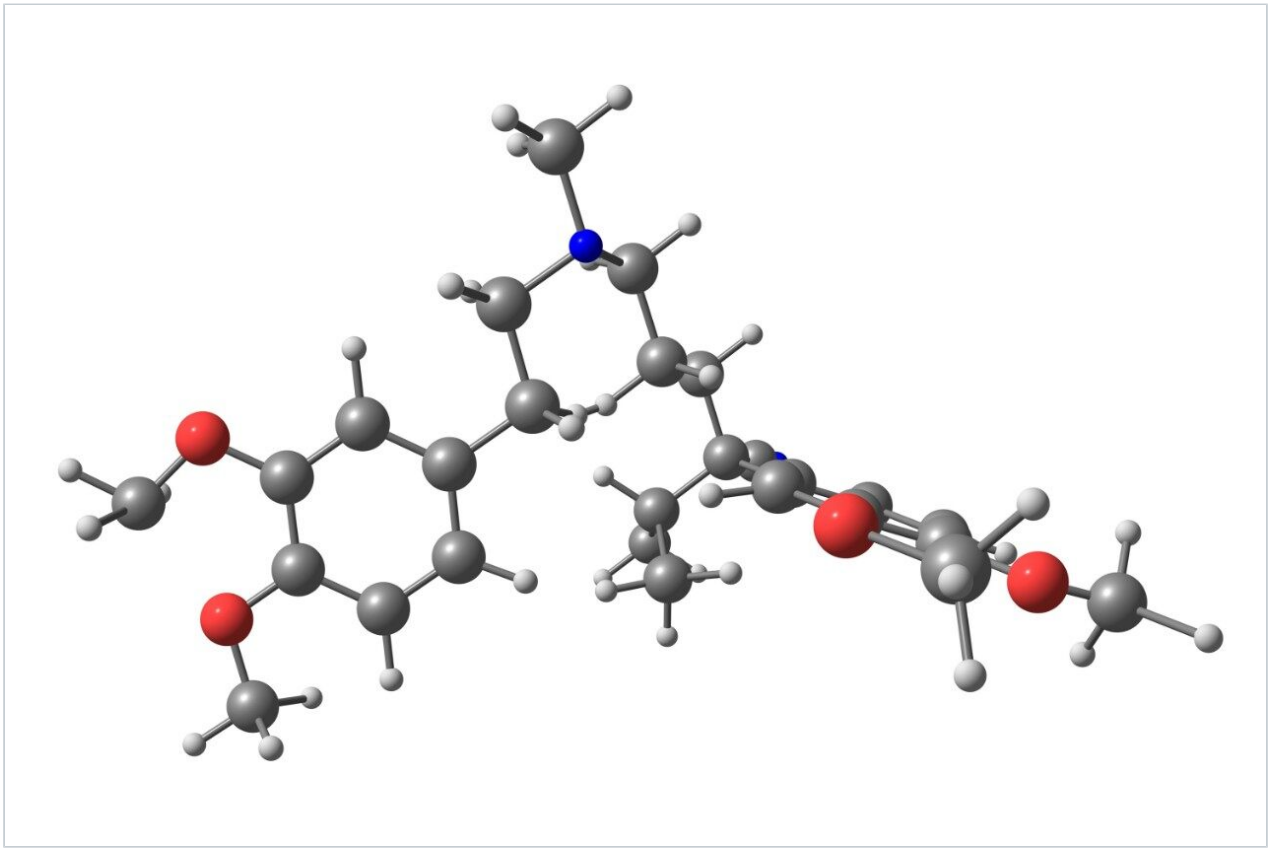


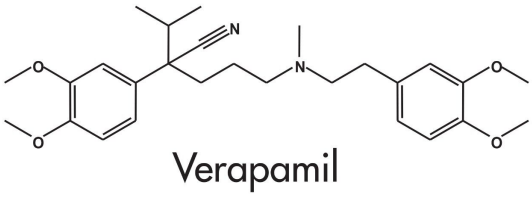
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of verapamil by LC-MS using XTerra MS C_{18} columns.

Introduction

Verapamil has been analyzed in this application brief.



Verapamil

Experimental

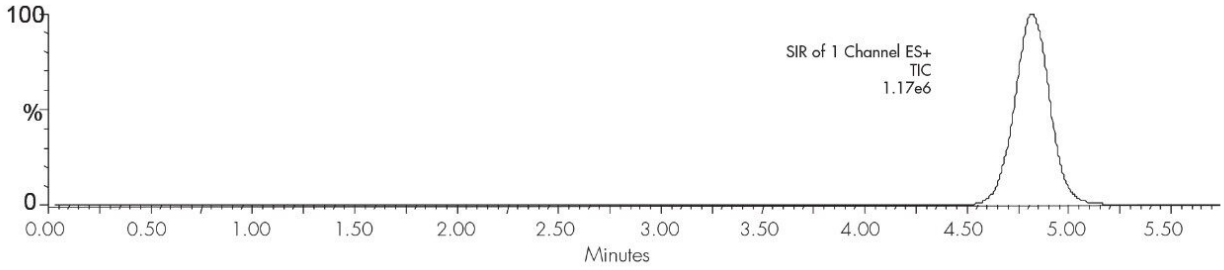
HPLC Method

Column:	XTerra MS C_{18} 2.1 x 30 mm, 3.5 µm (p/n: 186000398)
Mobile phase A:	0.1% NH_4OH in H_2O, pH 9.5
Mobile phase B:	0.1% NH_4OH in ACN, pH 9.5
Flow rate:	0.2 mL/min to MS
Isocratic mobile phase composition:	55% A; 45% B
Injection volume:	20 µL of 100 pg/µL
Temperature:	Ambient
Detection:	MS ESI+, SIR 455.45
Instrument:	Alliance 2795 HT, Micromass ZQ

MS Conditions

MS system:	Micromass ZQ
Source:	ESI+
Capillary (KV):	3.0
Cone (V):	35
Extractor:	3.0
RF Lens:	0.5
Source temp.:	150
Desolvation temp.:	350
Cone gas flow (L/Hr):	60
Desolvation gas flow (L/Hr):	500
LM resolution:	15
HM resolution:	15
Ion energy:	1.0
Multiplier (V):	650

Results and Discussion



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