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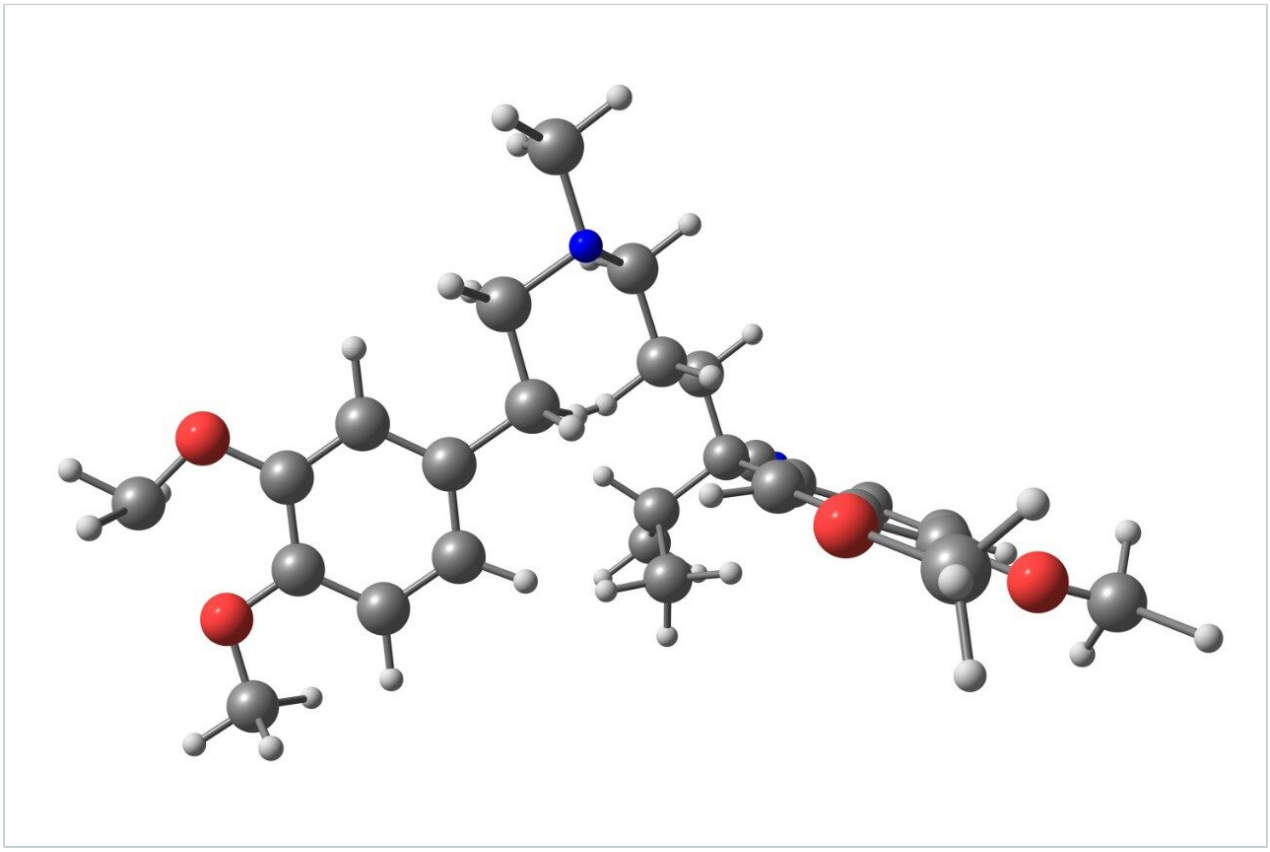
アプリケーションノート

Methoxyverapamil - pH 9.5, LC-MS

Waters Corporation



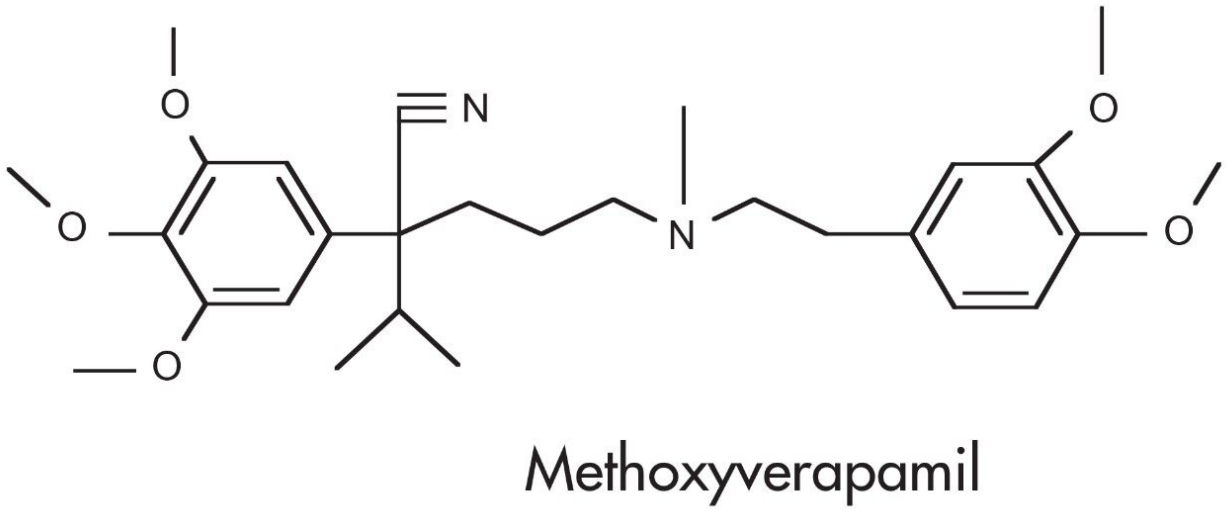
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

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

Introduction

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



Experimental

HPLC Conditions

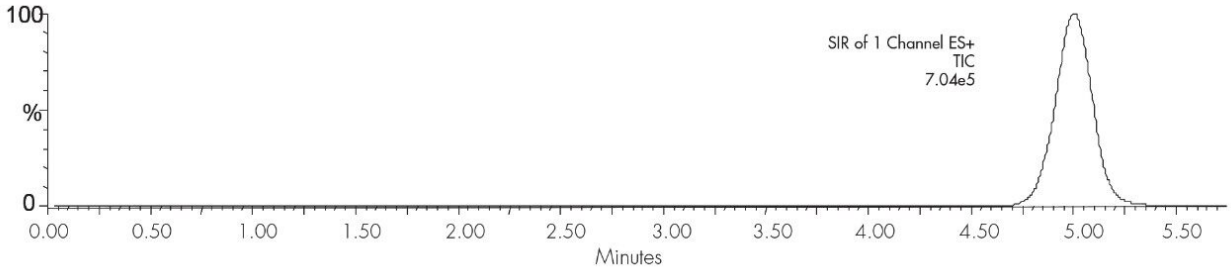
Column:	XTerra MS C_{18} 2.1 x 30 mm, 3.5 µm (p/n: 186000398)
Mobile phase A:	0.1% NH_4OH in H_2O, pH 9.5
Mobile phase B:	0.1% NH_4OH in ACN, pH 9.5
Isocratic mobile phase composition:	55%A; 45%B
Flow rate:	0.2 mL/min to MS
Injection volume:	20 µL of 100 pg/µL

Temperature:	Ambient
Detection:	MS ESI+, SIR 485.4
Instrument:	Alliance 2795 HT, Micromass ZQ

MS Conditions

MS sytem:	Micromass ZQ
Ion source:	ESI+
Capillary:	3.0 kV
Cone:	45 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



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