

Nota applicativa

Metoprolol - pH 2.5, LC-MS

Waters Corporation



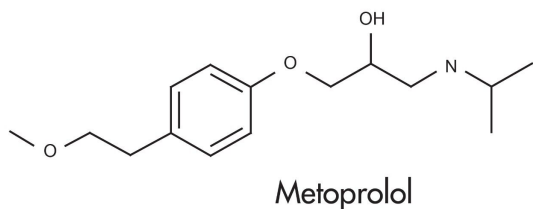
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

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

Introduction

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



Experimental

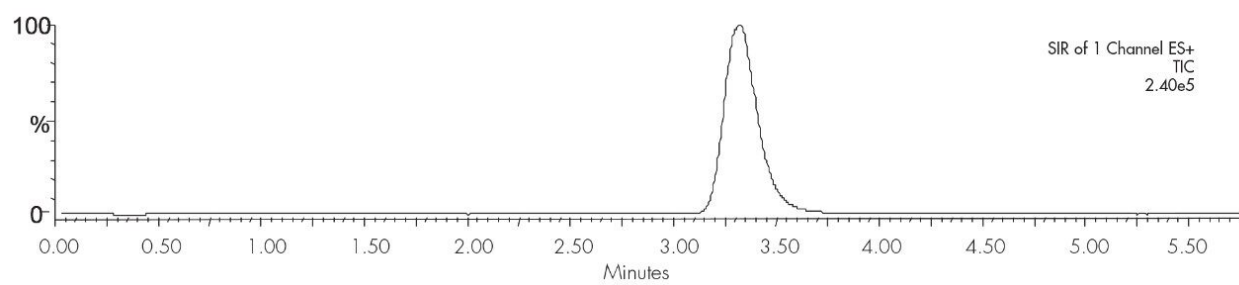
HPLC Conditions

Column:	XTerra MS C ₁₈ 2.1 x 30 mm, 3.5 μm (p/n: 186000398)
Mobile phase A:	0.1% HCOOH in H ₂ O, pH 2.5
Mobile phase B:	0.1% HCOOH in CAN, pH 2.5
Isocratic mobile phase composition:	90%A; 10%B
Flow rate:	0.2 mL/min to MS
Injection volume:	20 μL of 100 pg/μL
Temperature:	Ambient
Detection:	MS ESI+, SIR 268.12
Instrument:	Alliance 2795 HT, Micromass ZQ

MS Conditions

MS sytem:	Micromass ZQ
Ion source:	ESI+
Capillary:	3.0 kV
Cone:	30 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



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