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アプリケーションノート

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 C_{18} 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 μ m (p/n:
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Mobile phase A: 0.1% HCOOH in H₂O, 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: $20 \mu L \text{ of } 100 \text{ pg/}\mu L$

Temperature: Ambient

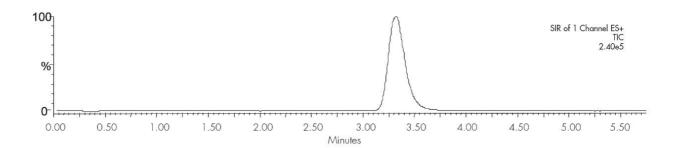
Detection: MS ESI+, SIR 268.12

Instrument: Alliance 2795 HT, Micromass ZQ

MS Conditions

MS sytem: Micromass ZQ ESI+ Ion source: Capillary: 3.0 kV 30 V Cone: Extractor: 3.0 RF Lens: 0.5 150 °C Source temp.: 350 °C Desolvation temp.: Cone gas flow: 60 L/hr Desolvation gas flow: 500 L/hr LM Resolution: 15 HM Resolution: 15 Ion energy: Multiplier (V): 650

Results and Discussion



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