Waters™

アプリケーションノート

Salbutamol in Rat Plasma

Waters Corporation



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

Abstract

This application brief demonstrates analysis of salbutamol in rat plasma.

Introduction

The compound analyzed in this study is salbutamol in rat plasma.

$$HO$$
 HO
 CH_3
 CH_3

Salbutamol

Experimental

Conditions

Column: Xterra MS C_{18} 2.1 x 30 mm, 3.5 μ m Part number: 186000398 Mobile phase A: 100 mM NH₄COOH ACN

Isocratic mobile phase composition: 70% A; 30% B

Flow rate: 0.2 mL/min

Injection volume: $50 \mu L$

Detection:	MS ESI+
Instrument:	Alliance 2790, Micromass Quattro Ultima
lon source:	ESI+
Source temperature:	150 °C
Gas cell:	1.5e-3 mbar, 15eV
Desolvation temperature:	350 °C
Cone gas flow:	150 L/hr
Drying gas flow:	600 L/hr
Cone voltage:	20V

Oasis® MCX Extraction Method
Oasis® MCX Extraction Plate, 10 mg/96-well
Part Number 186000259

Centrifuge 25 mL of EDTA rat plasma at 10 000 (RPM)

Spike 5 mL of centrifuged plasma with drug (max 5% organic load) Add 100 µL H₃PO₄

> Condition plate 500 µL methanol followed with 500 µL water

Load plate 500 µL spiked rat plasma

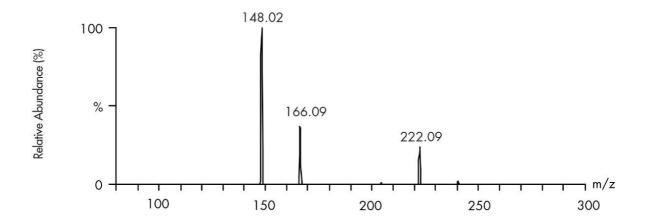
Wash plate 500 µL 2 % HCl in water

Elute plate 300 µL 5% NH₄OH in methanol

> Dilute 200 µL water

CID mass spectra





Featured Products

Alliance HPLC System https://www.waters.com/534293

WA20738.101, June 2002

© 2021 Waters Corporation. All Rights Reserved.