

Beta Blockers Scale-Up: Formic Acid

Waters Corporation



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

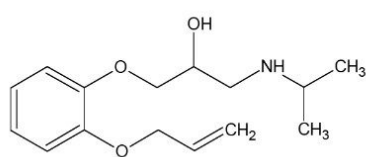
Abstract

This application brief highlights the scaling-up of beta-blockers.

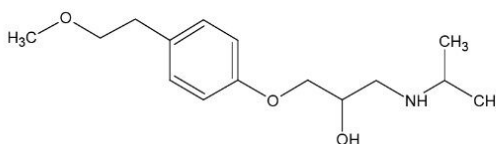
Introduction

Compounds used in this study:

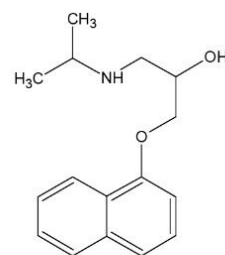
1. Metoprolol (50 mg/mL)
2. Oxprenolol (25 mg/mL)
3. Propranolol (5 mg/mL)



Oxprenolol



Metoprolol



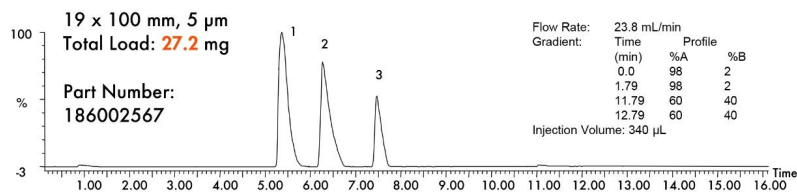
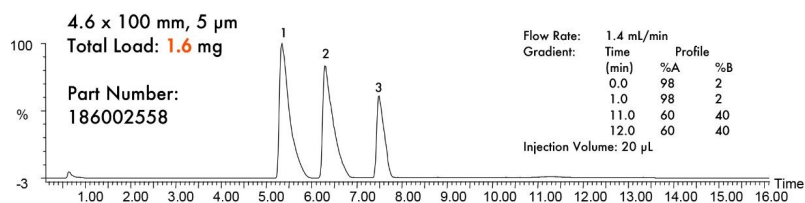
Propranolol

Experimental

Conditions

Column:	SunFire C ₁₈ 4.6 x 100 mm, 5 μm (p/n: 186002558) 19 x 100 mm, 5 μm (p/n: 186002567)
Mobile phase A:	0.1% HCOOH in Water
Mobile phase B:	0.1% HCOOH in ACN
Temperature:	Ambient
Detection:	UV @ 254 nm
Instrument:	AutoPurification System

Results and Discussion



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AutoPurification System <<https://www.waters.com/10007147>>

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