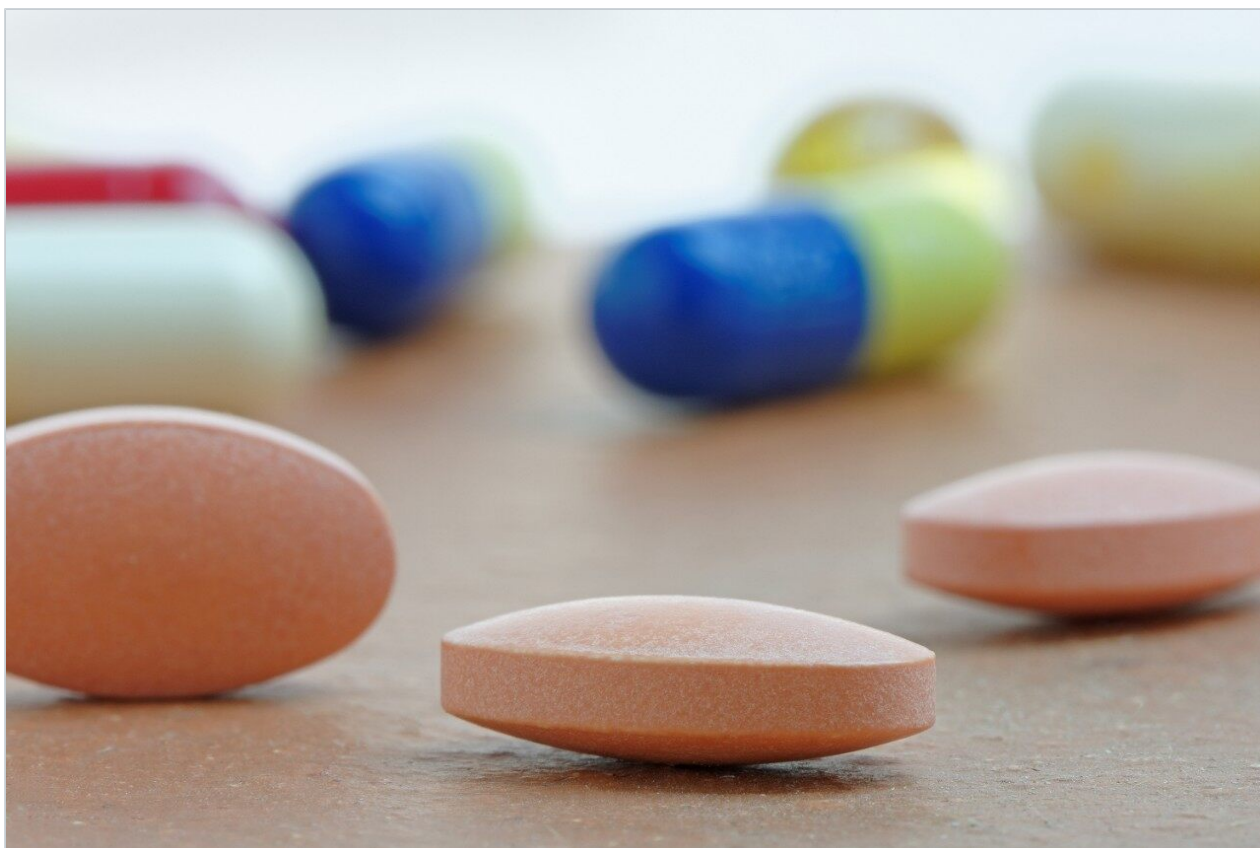


Nota applicativa

Analysis of β -Blockers on Atlantis T3 Columns

Waters Corporation



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

Abstract

This application brief demonstrates analysis of β -blockers on Atlantis T3 Columns.

Introduction

The compounds used in this study are -

1. Atenolol
 2. Pindolol
 3. Metoprolol
 4. Oxprenolol
 5. Labetalol
 6. Propranolol
-

Experimental

Test Conditions

Column:	Atlantis T3, 4.6 x 150 mm, 5 μ m
Part number:	186003747
Mobile phase A:	H ₂ O
Mobile phase B:	ACN
Mobile phase C:	100 mM HCOONH ₄ , pH 3.0
Flow rate:	2.0 mL/min

Injection volume: 10 μ L

Sample: Atenolol (40 μ g/mL),
Pindolol (20 μ g/mL),
Metoprolol (60 μ g/mL),
Oxprenolol (40 μ g/mL),
Labetalol (60 μ g/mL),
Propranolol (20 μ g/mL)
in H₂O/ACN (95/5)

Column temperature: 30 °C

Sample temperature: 15 °C

Detection: UV @ 280 nm

Sampling rate: 5 point/sec

Filter response: 0.2

Instrument: Waters Alliance 2695 with 2996 PDA

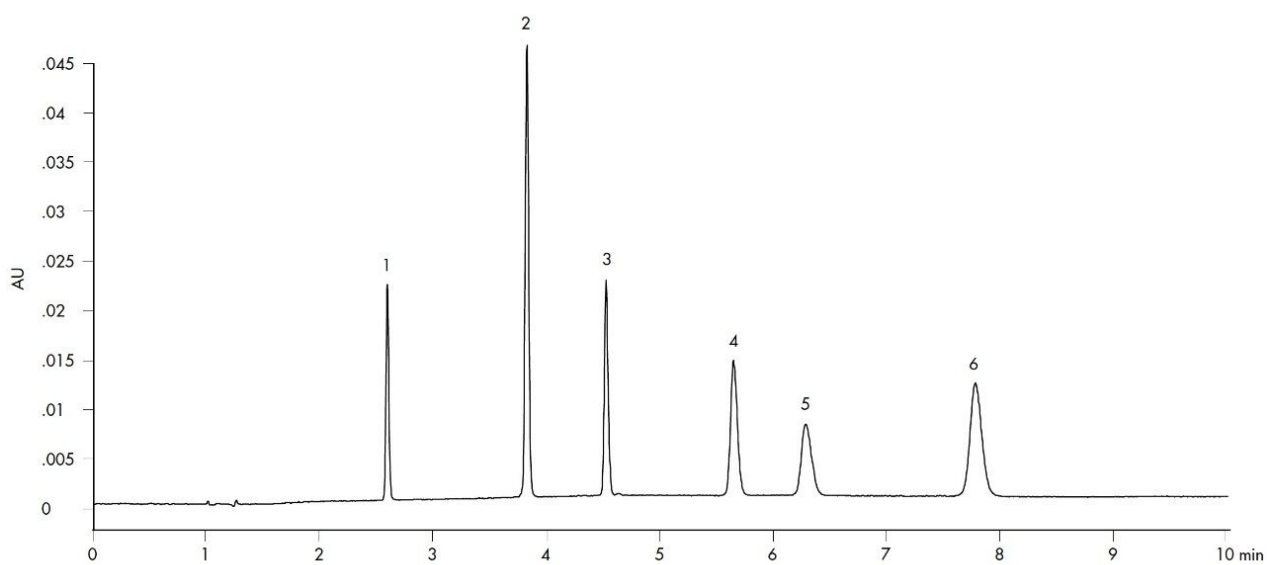
Gradient

Time (min)	Profile		
	%A	%B	%C
0.00	85	5	10
3.00	65	25	10
10.00	65	25	10

11.00 85 5 10

15.00 85 5 10

Results and Discussion



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WA60223, January 2009

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