

Application Note

Diltiazem HCL

Waters Corporation

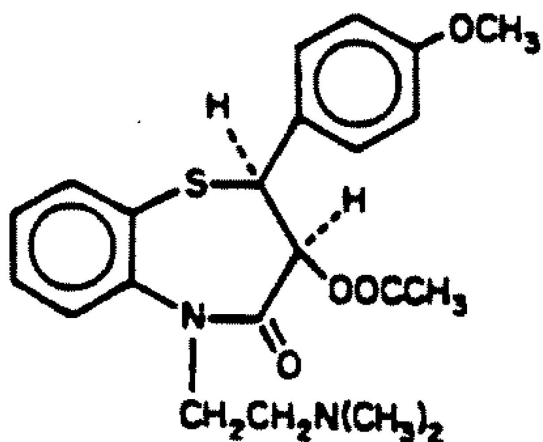
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief demonstrates the analysis of diltiazem HCL using Symmetry Columns.

Introduction

The compound analyzed in this study is diltiazem HCL.



1. Diliazem HCL

Experimental

HPLC Method

Column:	Symmetry C ₈ , 3.9 x 150 mm, 5 μm
Guard Column:	Symmetry Guard Column 3.9 x 20 mm, 5 μm
Part numbers:	Column - WAT046970, Guard - WAT054250
Mobile phase:	100 mM sodium acetate, 5mM camphosulfonic acid, pH 6.2/acetonitrile/methanol 40:30:30
Flow rate:	1.0 mL/min
Injection volume:	10 μL of 50 μg/mL sample

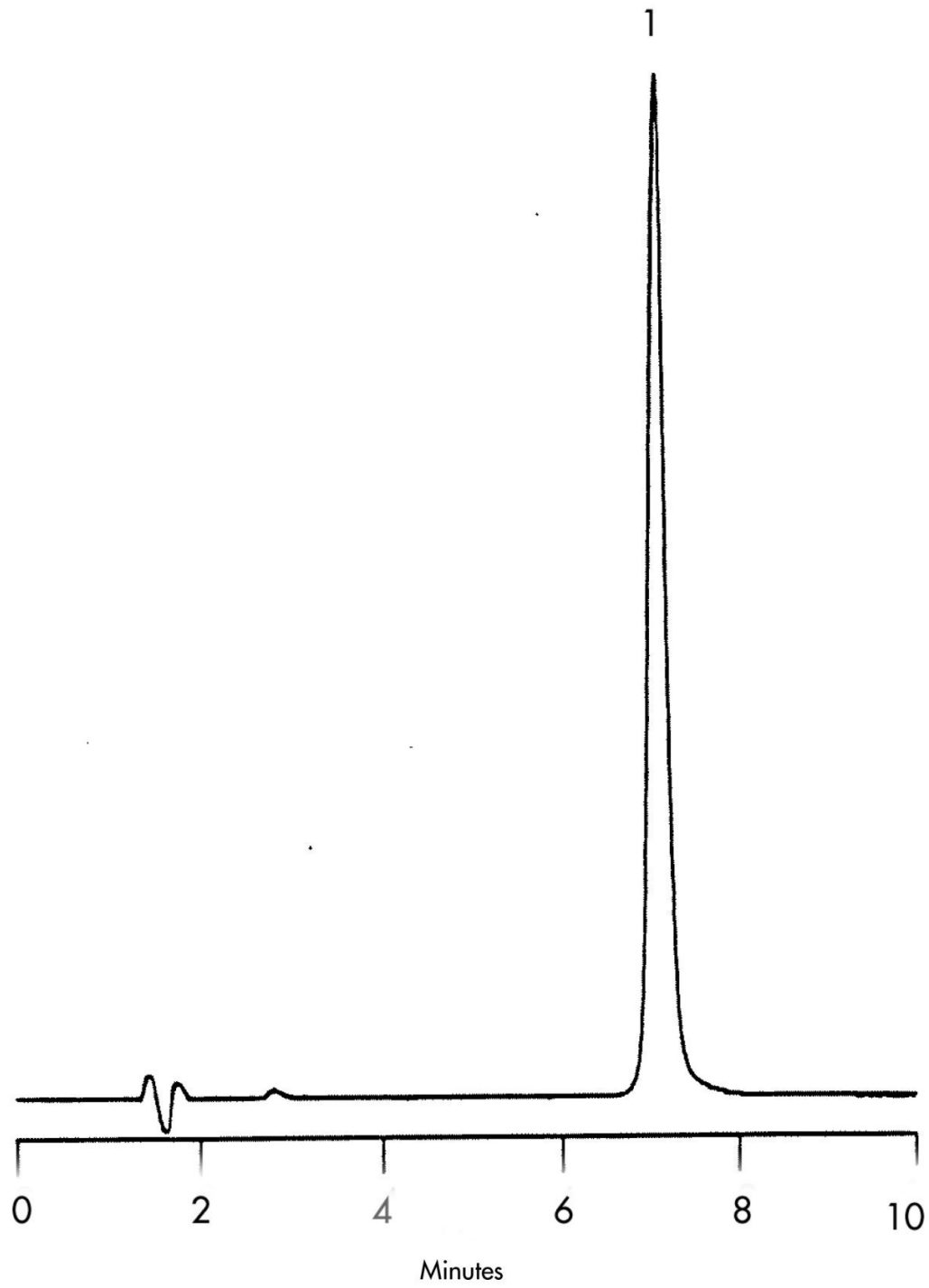
Detection:

UV @ 254 nm

USP Tailing Factors

1. 1.08

Results and Discussion



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WA31763.75, June 2003

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