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應用手冊

Four Drug Mixture- Warfarin, Dextromethorphan, Triprolidine, and Tetracaine

Waters Corporation



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

Abstract

This application brief demonstrates analysis of four drug mixture- warfarin, dextromethorphan, triprolidine, and tetracaine.

Introduction

The compounds used in this study are -

Compounds	USP Tailing Factors
Warfarin	1.3
Dextromethorphan HCL	1.6
Triprolidine HCL	1.1
Tetracaine	1.2

1. Warfarin

2. Dextromethorphan HCL

3. Triprolidine HCL

4. Tetracaine

Experimental

HPLC Method

Column: Symmetry Shield RP $_{18}$, 3.9 x 150 mm, 5 μm

Part number: 186000108

Mobile phase A: 25 mM Potassium phosphate, pH 7

Mobile phase B: Methanol

Flow rate: 1.0 mL/min

Injection volume: 10 μ L of mixture with 0.3 mg/mL triprolidine, 0.4

mg/mL dextromethorphan, 0.15 mg/mL tetracaine,

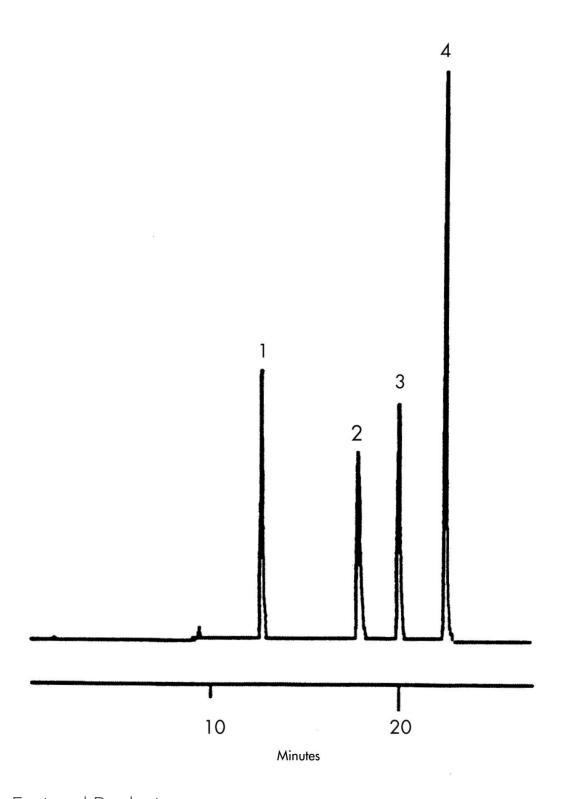
and 0.05 mg/mL of warfarin

Detection: UV @ 280 nm

Gradient

Time	Profile	
(min)	%A	%B
0	85	15
26	20	80

Results and Discussion



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