

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

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Waters Corporation



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

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## Abstract

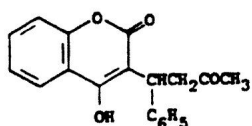
This application brief demonstrates analysis of four drug mixture- warfarin, dextromethorphan, triprolidine, and tetracaine.

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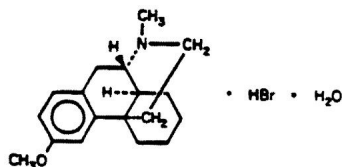
## Introduction

The compounds used in this study are –

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



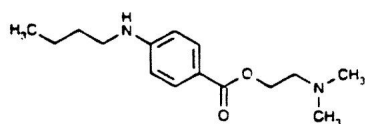
1. Warfarin



2. Dextromethorphan HCL



3. Triprolidine HCL



4. Tetracaine

## Experimental

### HPLC Method

Column:	Symmetry Shield RP <sub>18</sub> , 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 µL 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

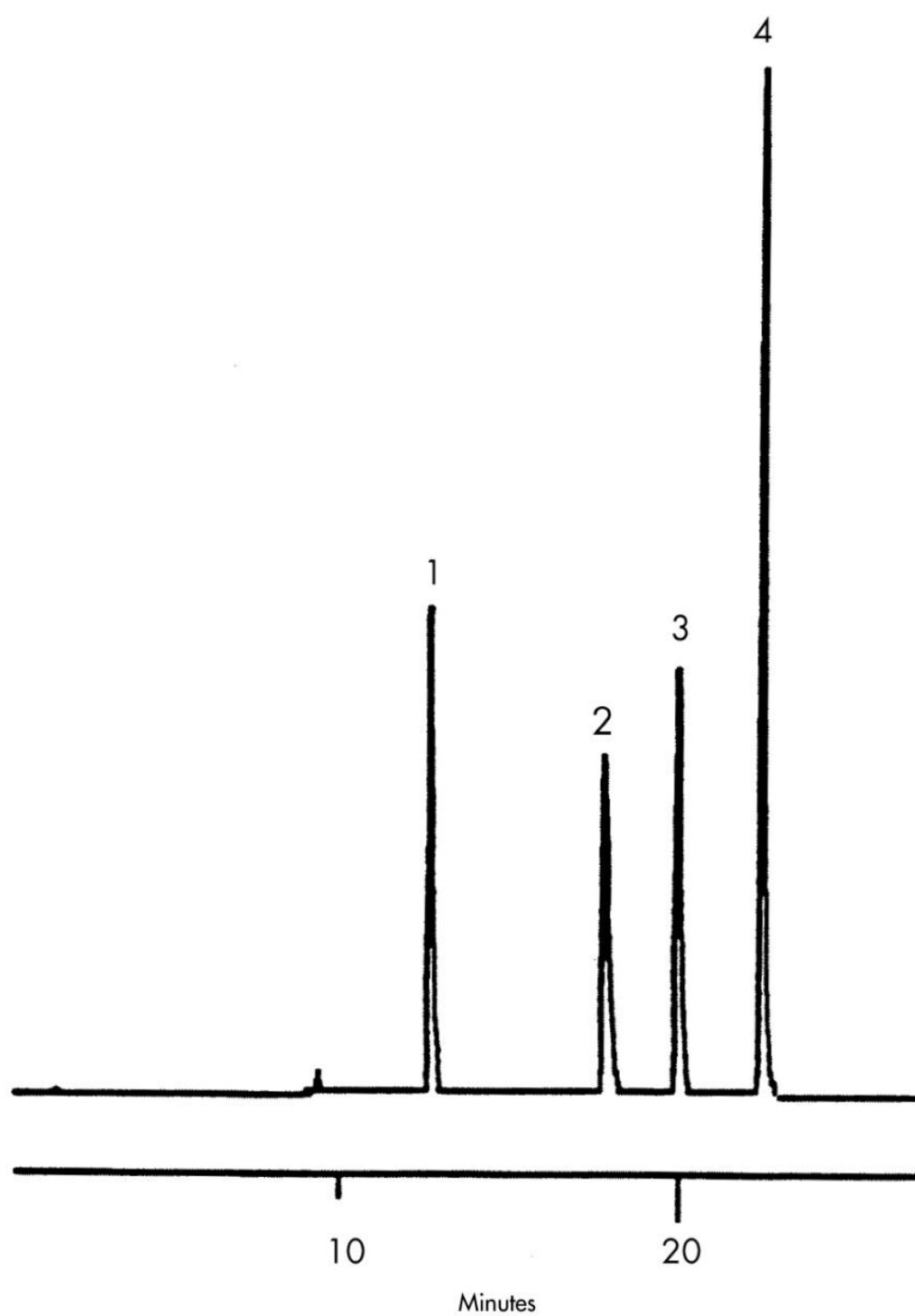
Detection: UV @ 280 nm

Gradient

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

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Results and Discussion



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