

Note d'application

## Synthetic Antibiotics

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Waters Corporation



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

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### Abstract

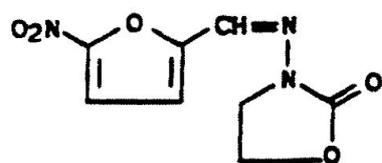
This application brief highlights the analysis of synthetic antibiotics using Symmetry Columns.

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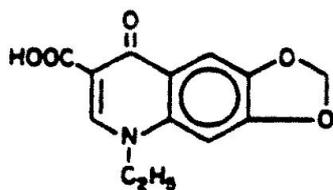
## Introduction

Synthetic antibiotics used in this study are:

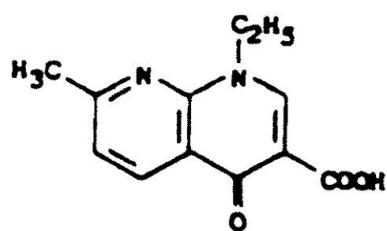
1. Furazolidone
2. Oxolinic Acid
3. Nalidixic Acid



### 1. Furazolidone



### 2. Oxolinic Acid



### 3. Nalidixic Acid

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## Experimental

## HPLC Method

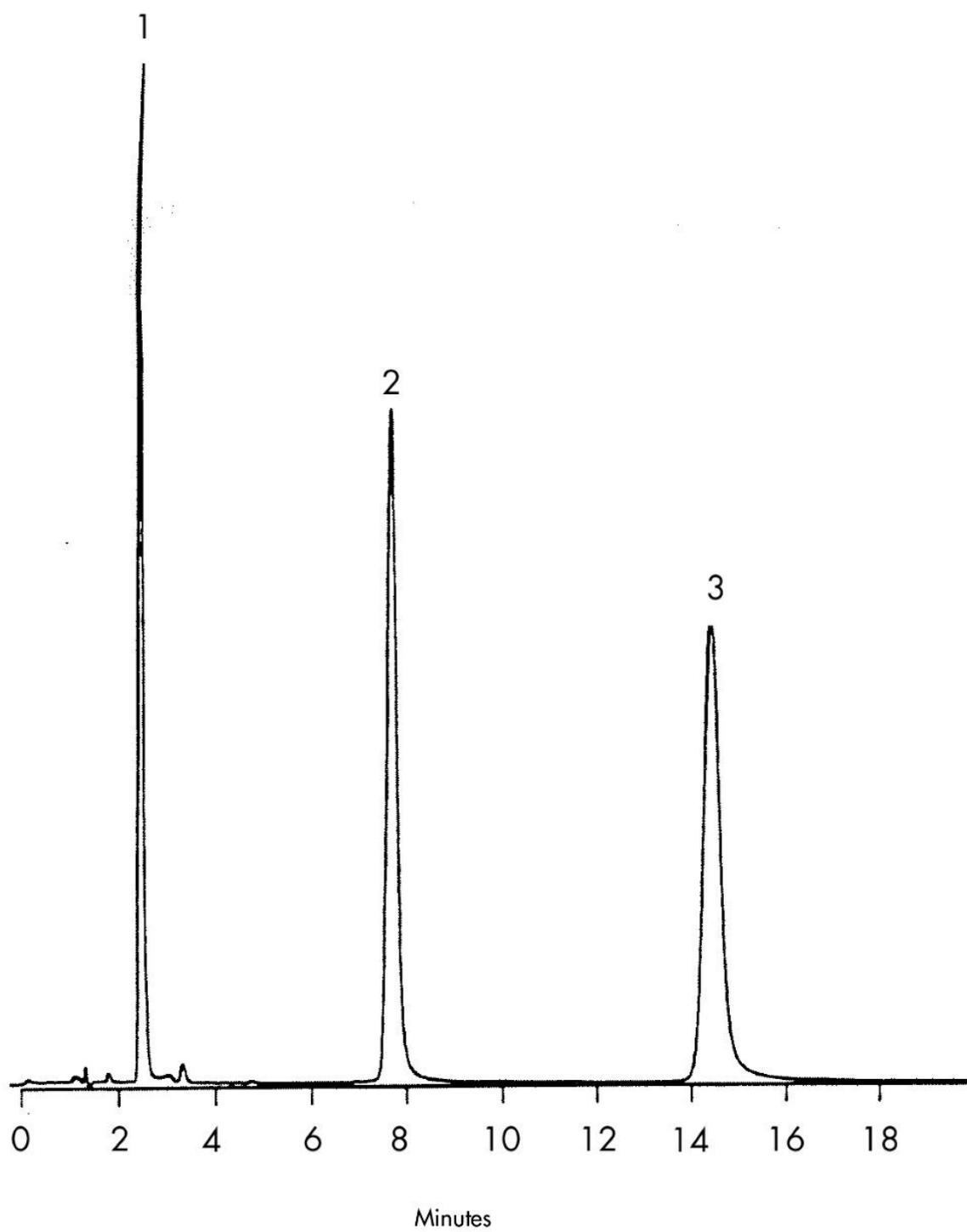
Column:	Symmetry C <sub>18</sub> , 3.9 x 150 mm, 5 µm (p/n:WAT046980)
Mobile phase:	0.1% phosphoric acid in water/methanol 62:38
Flow rate:	1.0 mL/min
Injection volume:	10 µL of mixture with 30 µg/mL furazolidone and oxolinic acid and 100 µg/mL nolidixic acid
Detection:	UV @ 254 nm

## USP Tailing Factors

1. 1.2
2. 1.1
3. 1.2

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## Results and Discussion



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