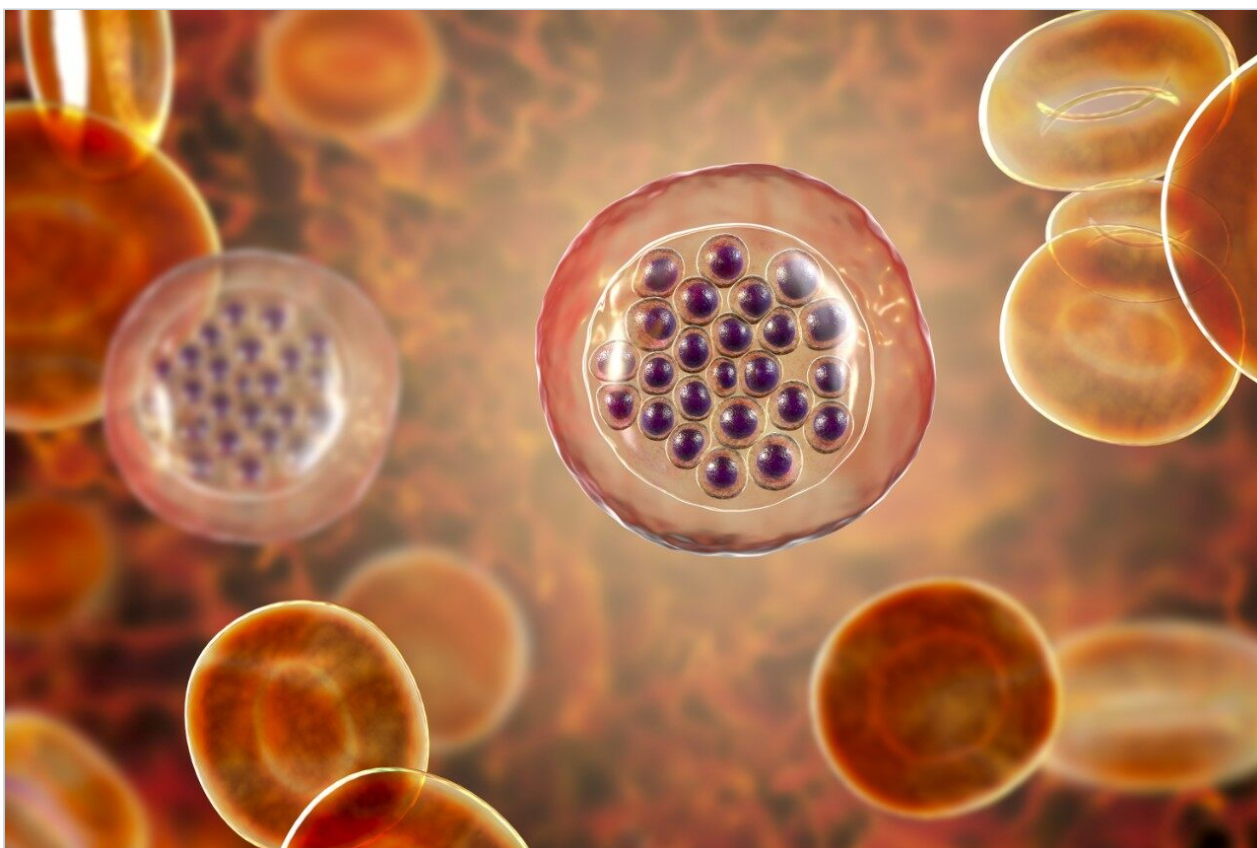


## Quinidine Sulfate and Related Substance

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Waters Corporation



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

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### Abstract

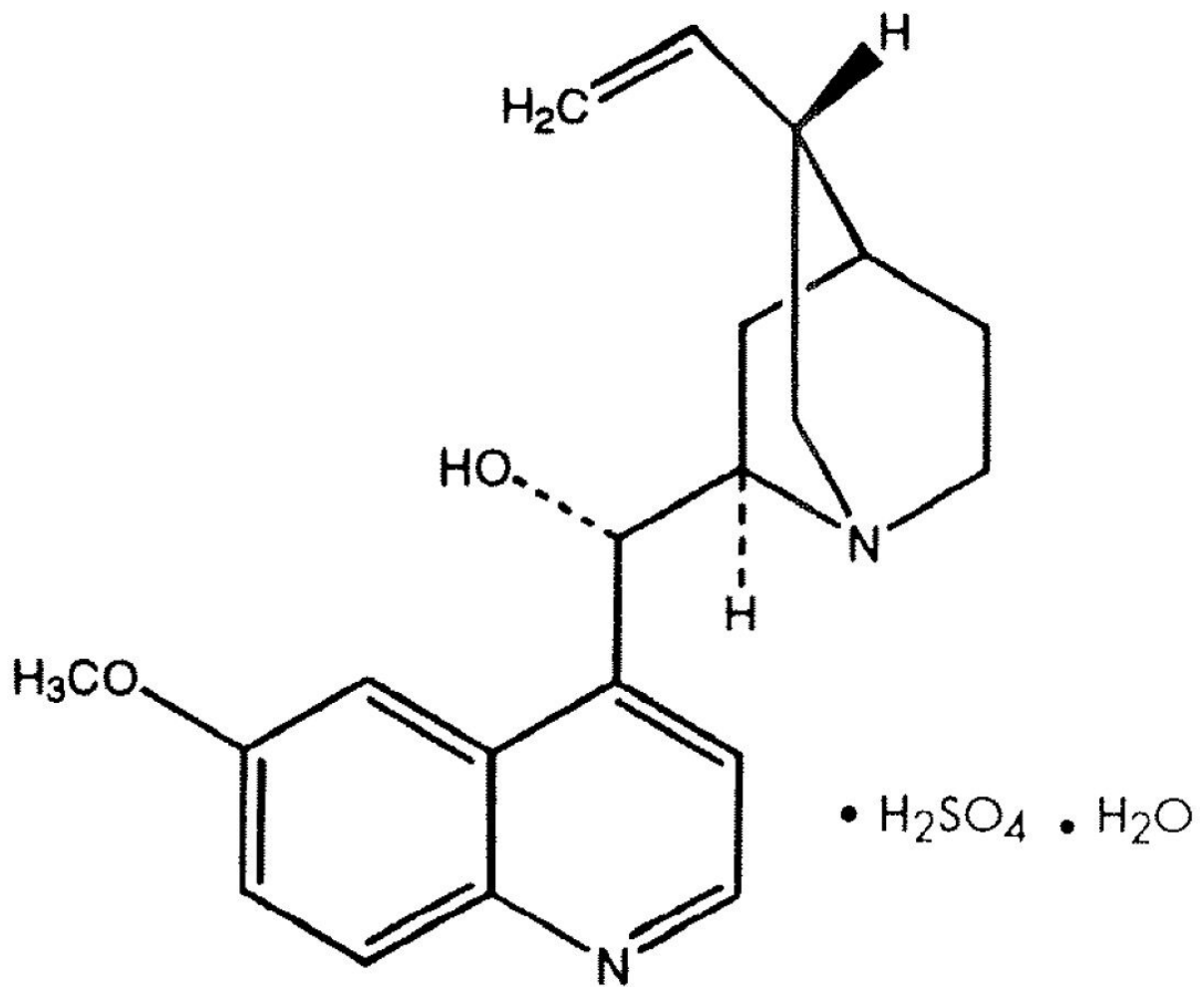
This application brief highlights the analysis of quinidine sulfate and related substance using Symmetry Shield Columns.

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## Introduction

The compounds analyzed in this study are:

1. Quinidine sulfate
2. Dihydroquinidine sulfate



**1. Quinidine sulfate**

**2. Dihydroquinidine sulfate**

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Experimental

## HPLC Method

Column:	Symmetry Shield RP <sub>18</sub> , 4.6 x 250 mm, 5 µm
Part number:	186000112
Mobile phase:	860 mL water, 20 mL methanesulfonic acid solution, 20 mL diethylamine solution, 100 mL acetonitrile; pH adjusted to 2.6 with diethylamine solution  Diethylamine solution: 10 mL diethylamine in 100 mL water  Methanesulfonic acid solution: 14 mL methanesulfonic acid and 8 mL glacial acetic acid in 200 mL water
Flow rate:	1.0 mL/min
Injection volume:	50 µL
Detection:	UV @ 235 nm

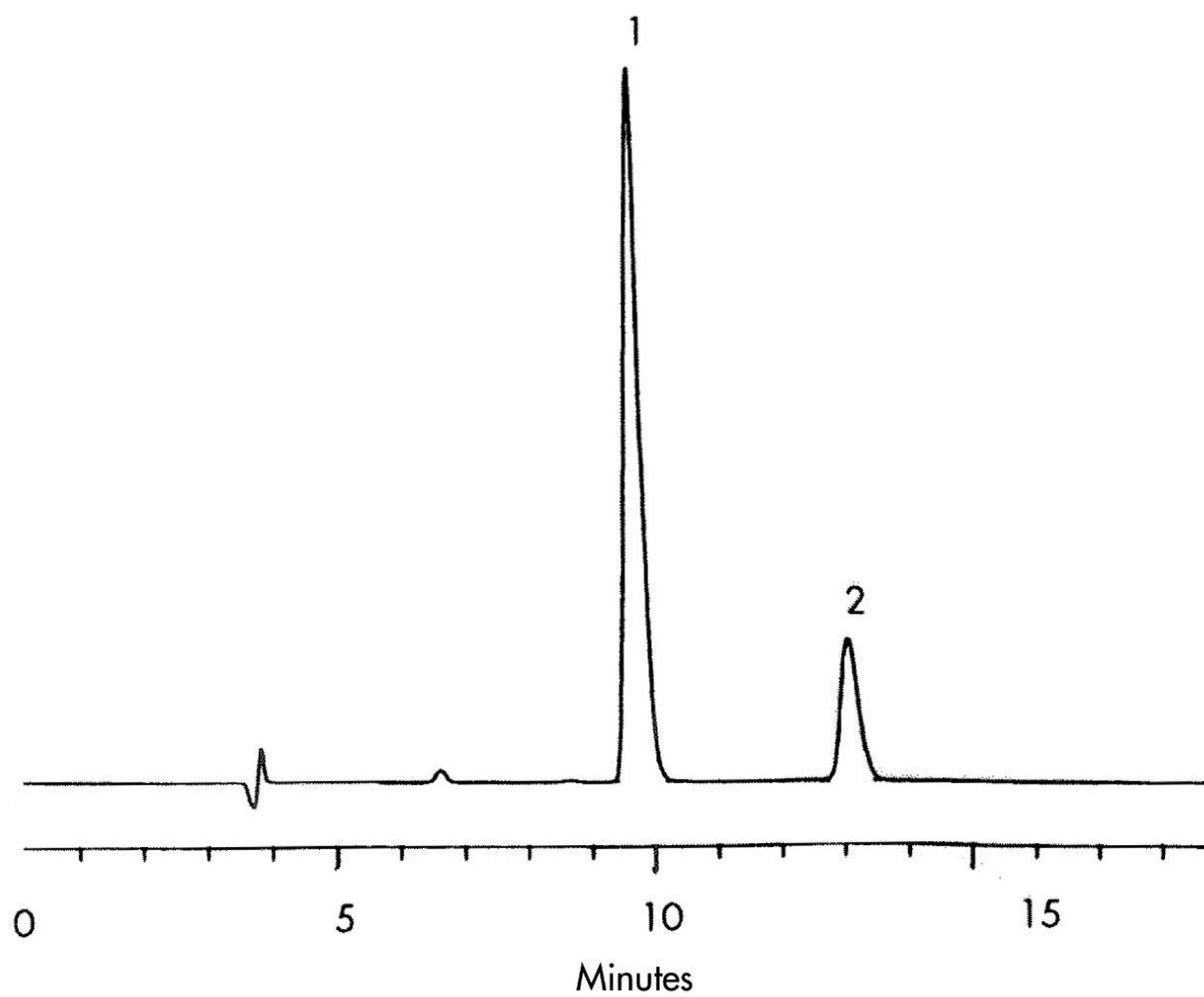
## USP Tailing Factor

1. 1.76

2. 1.33

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## Results and Discussion



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## Featured Products

WA31763.141, June 2003

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