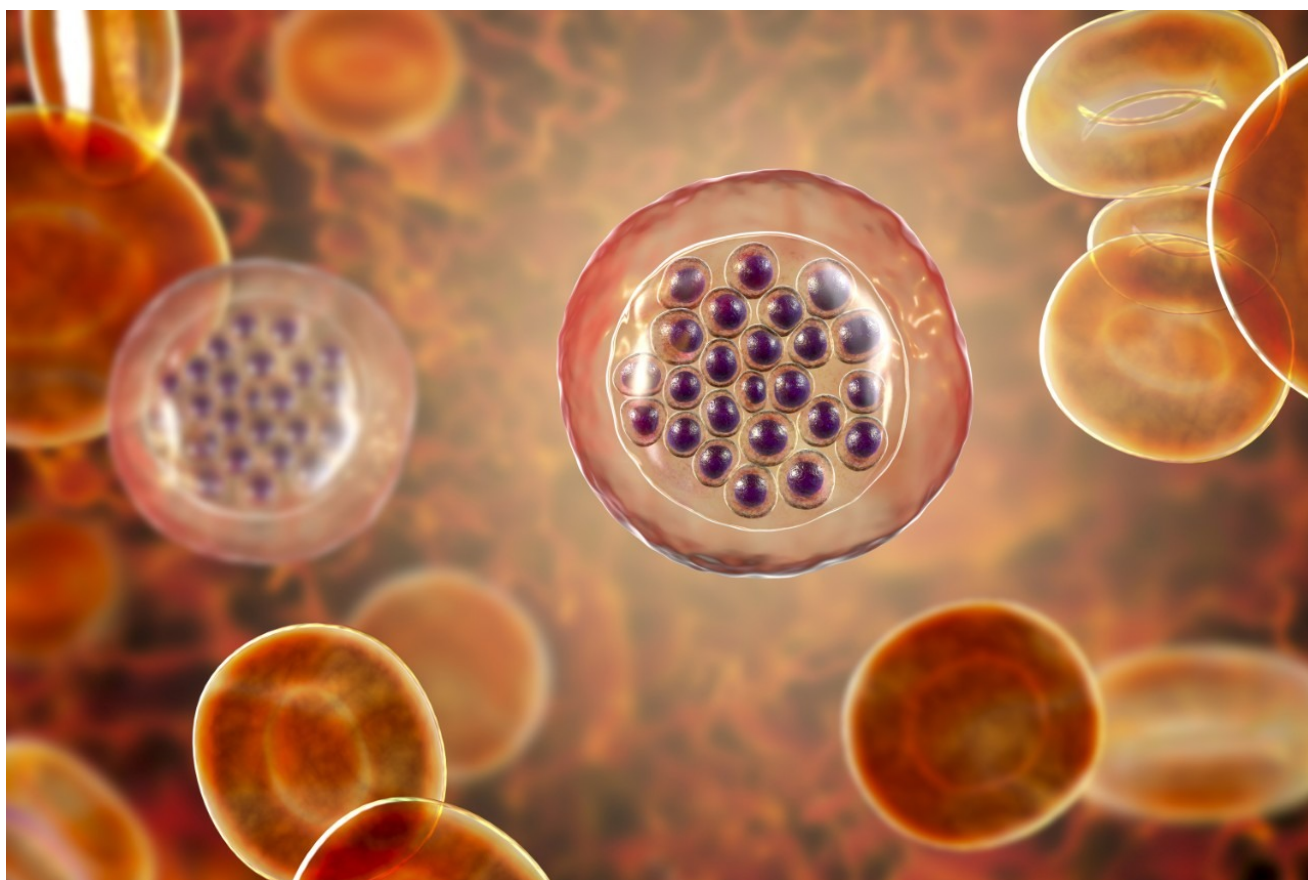


## Quinidine Sulfate and Related Substance

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

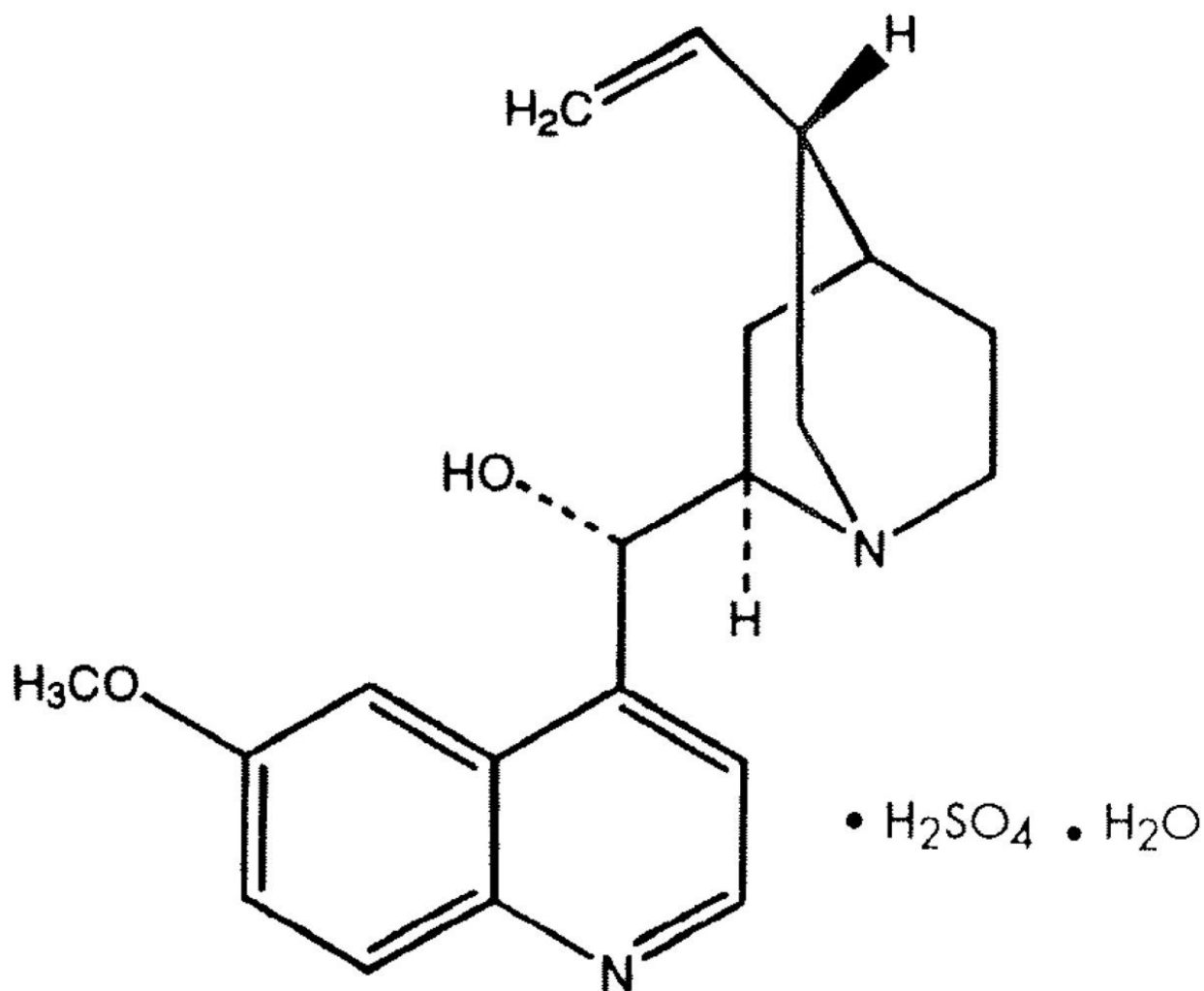
### Abstract

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

## Introduction

The compounds analyzed in this study are:

1. Quinidine sulfate
2. Dihydroquinidine sulfate



1. Quinidine sulfate
2. Dihydroquinidine sulfate

Experimental

[HPLC Method](#)

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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, 100 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

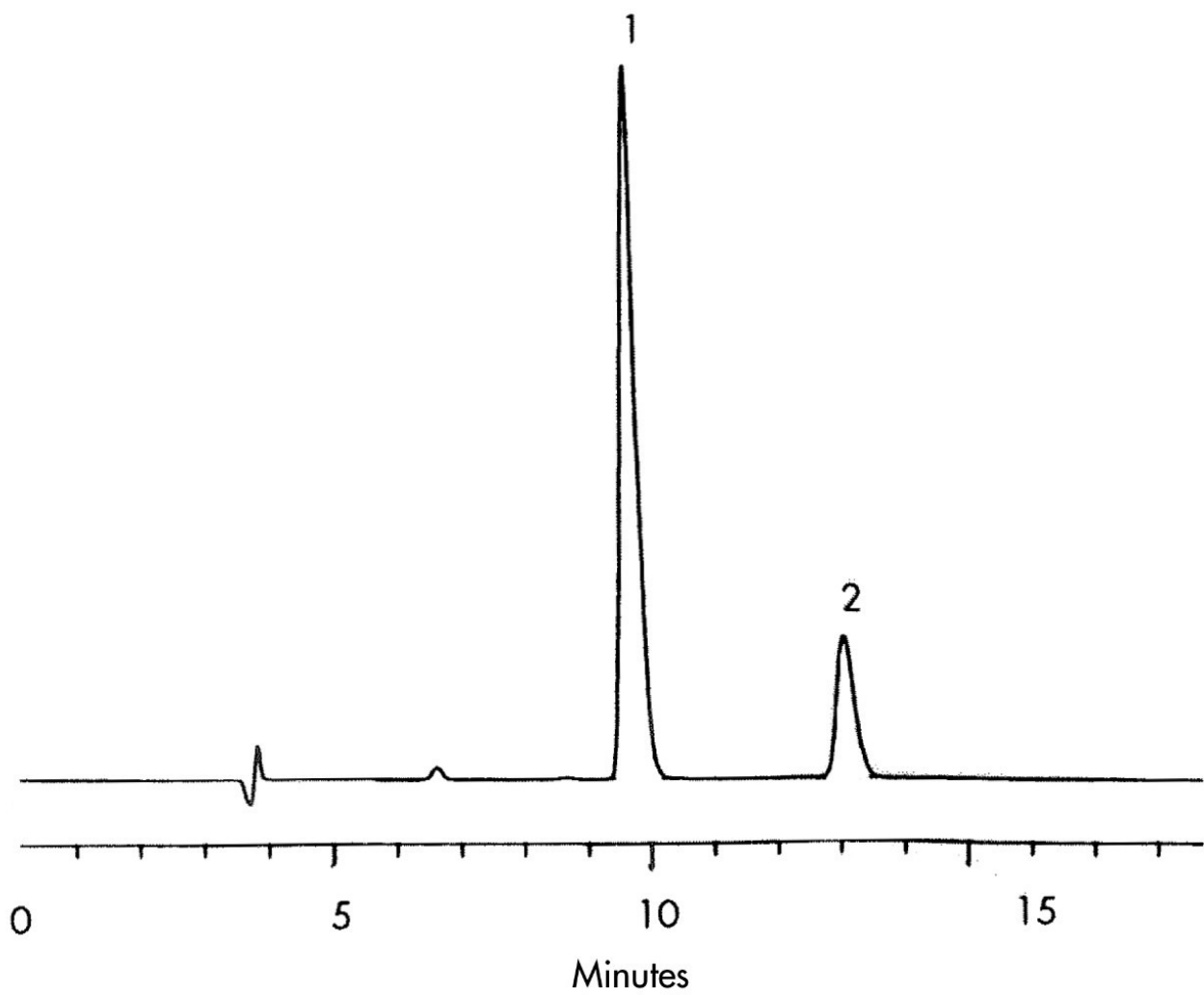
Detection: UV @ 235 nm

## USP Tailing Factor

1. 1.76

2. 1.33

## Results and Discussion



## Featured Products

WA31763.141, June 2003



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