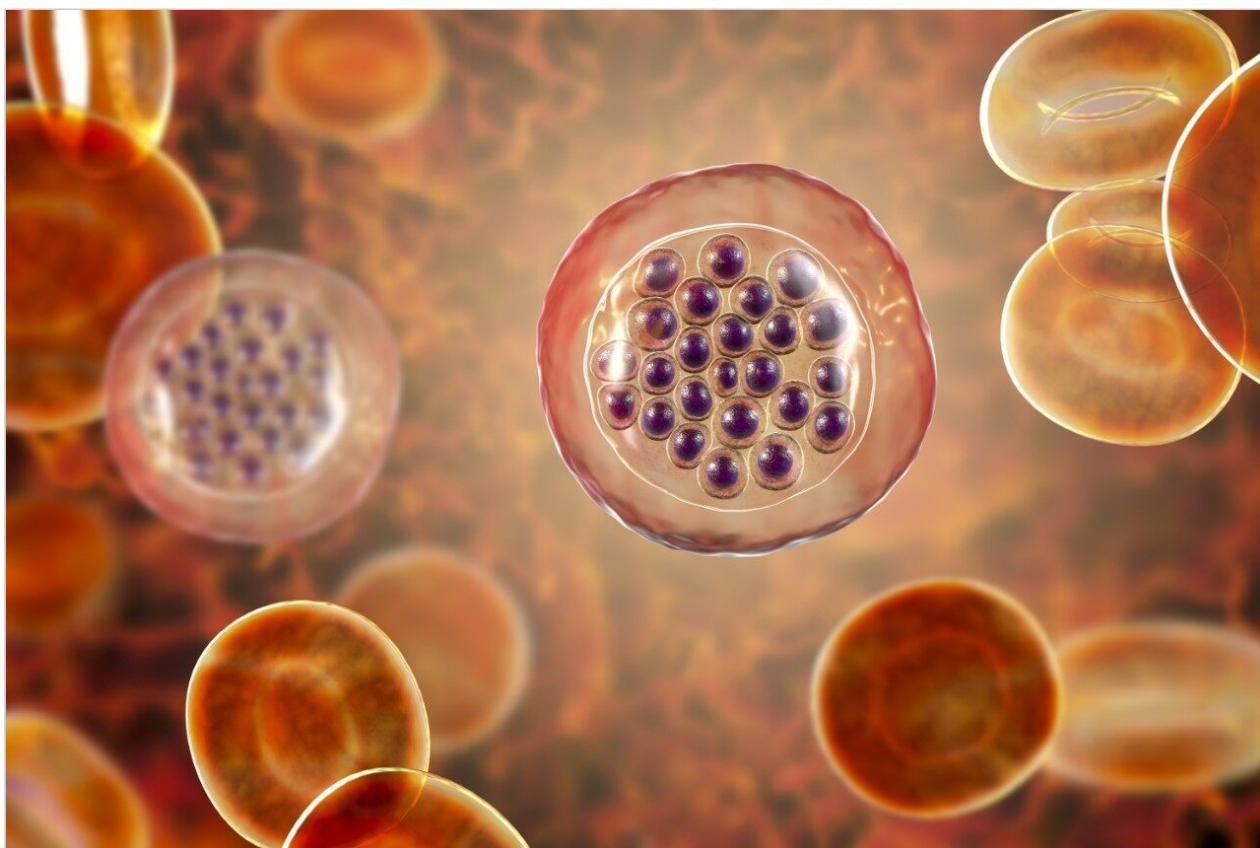


Quinidine Sulfate and Related Substance

Waters Corporation



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

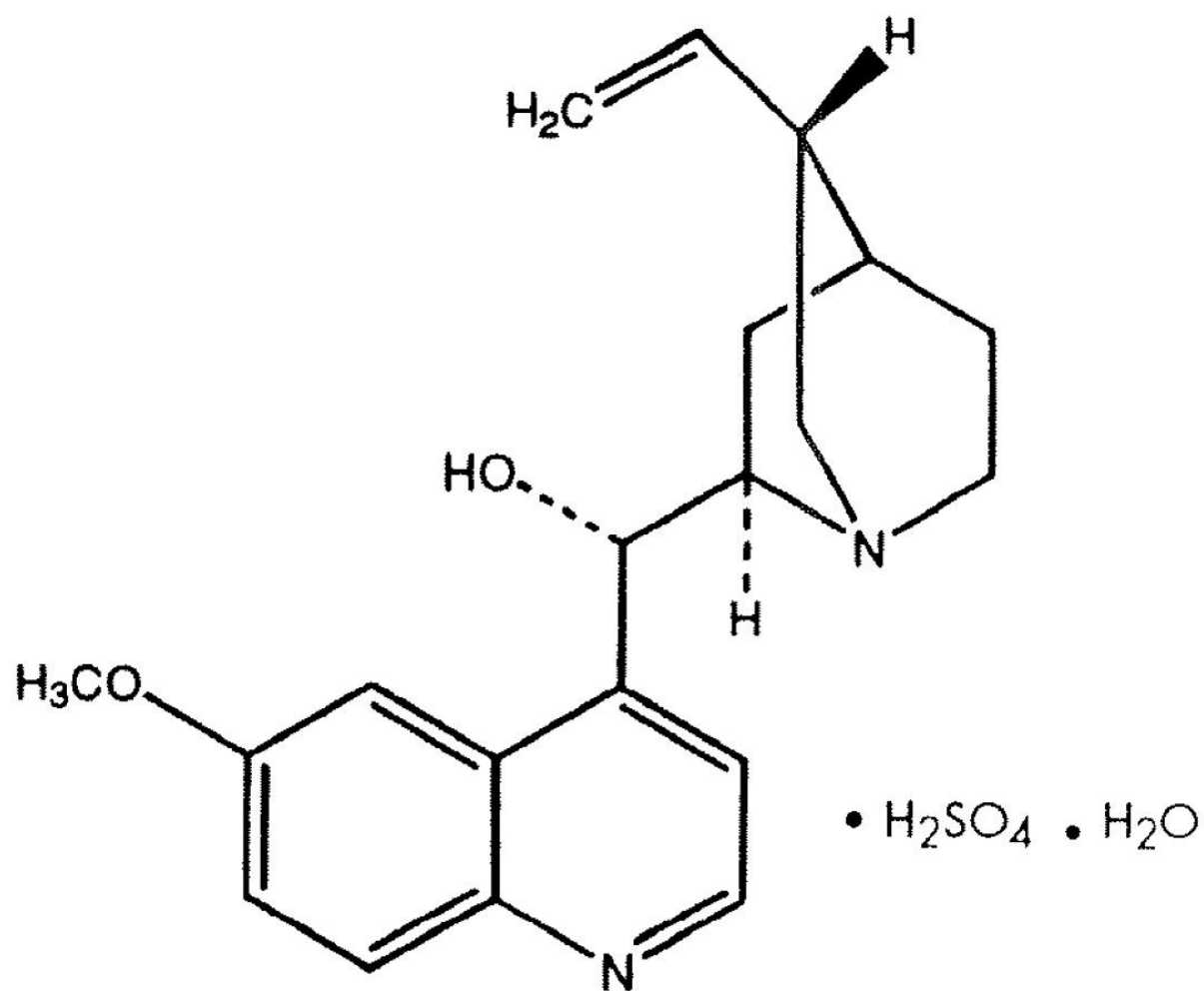
Abstract

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

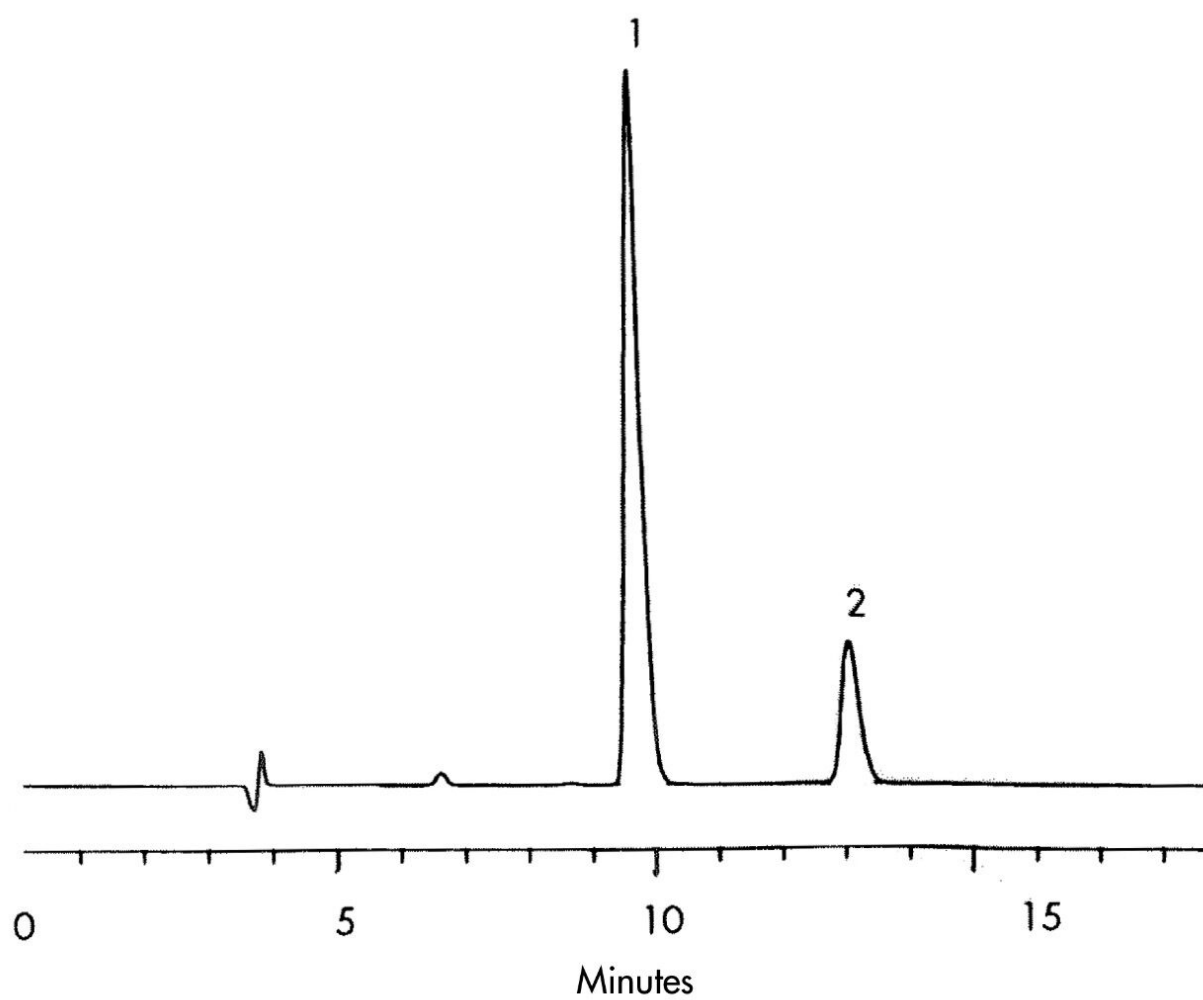
Column:	Symmetry Shield RP ₁₈ , 4.6 x 250 mm, 5 µm
Part number:	186000112
Mobile phase:	860 mL water, 20 mL methanesulfonic acid solution, 20 mL diethylamine solution, 100 mL acetonitrile; pH adjusted to 2.6 with diethylamine solution Diethylamine solution: 10 mL diethylamine in 100 mL water Methanesulfonic 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

Results and Discussion



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WA31763.141, June 2003

