

Naproxen – SymmetryShield RP18

Waters Corporation



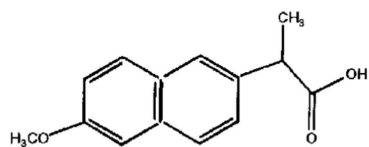
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

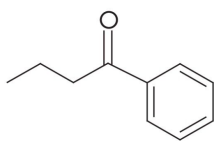
This application brief highlights the analysis of naproxen using SymmetryShield RP₁₈.

Introduction

Compounds used in this application brief are Naproxen and Butyrophenone.



1. Naproxen



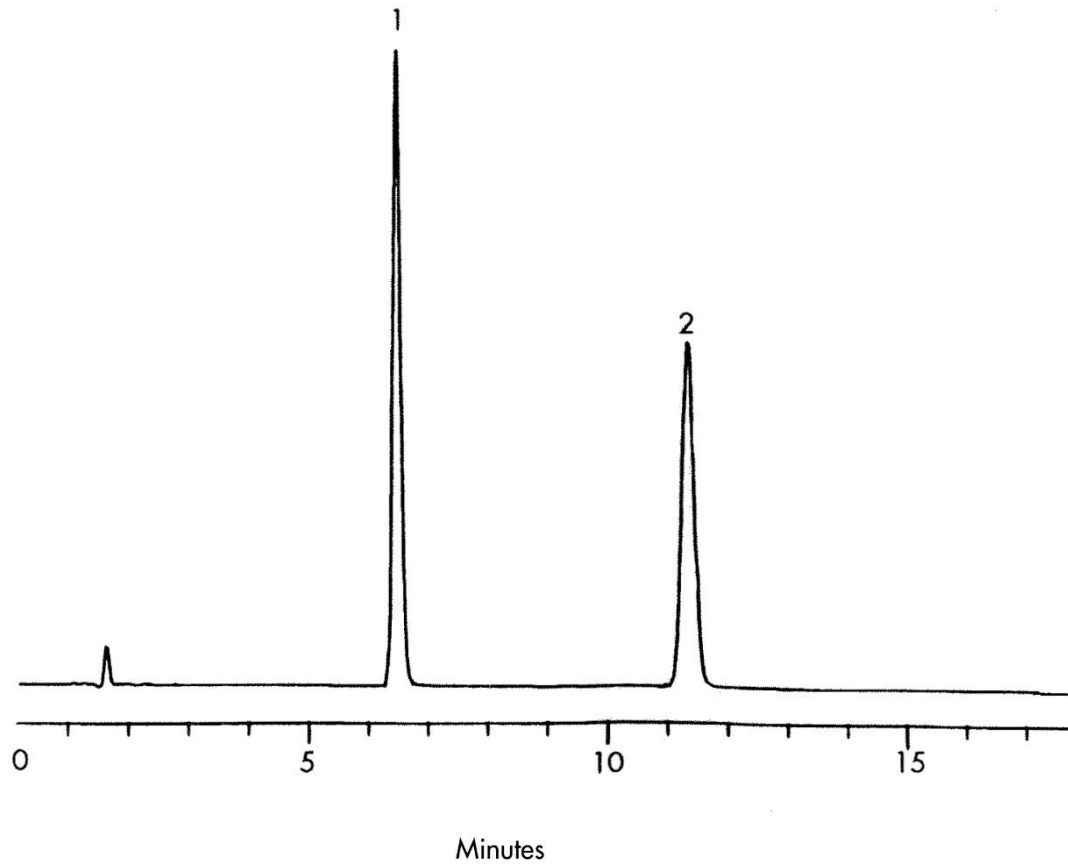
2. Butyrophenone

Experimental

HPLC Method

Column:	SymmetryShield RP ₁₈ , 4.6 x 250 mm, 5 μm (p/n: 186000112)
Mobile phase:	Acetonitrile/water 46:54, 2.0 mL of glacial acetic acid in 1 L of mobile phase
Flow rate:	1.0 mL/min
Injection volume:	20 μL
Detection:	UV @ 254 nm
USP tailing factors:	1. 1.09

Results and Discussion



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