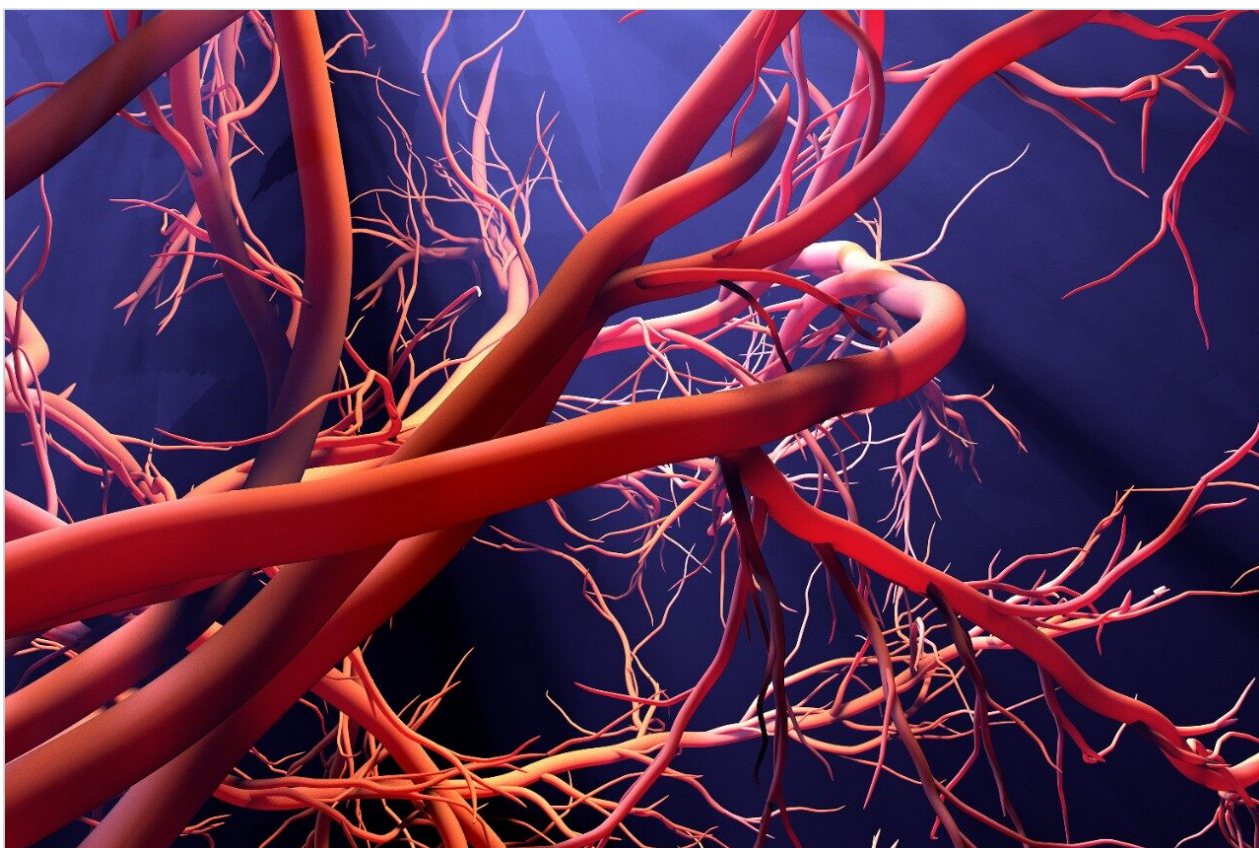


Application Note

Nifedipine

Waters Corporation

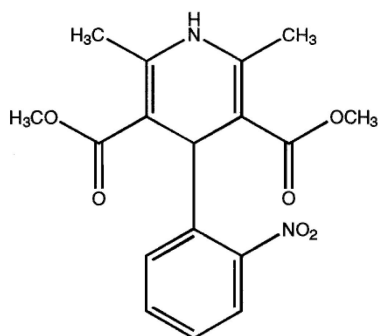


Abstract

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

Introduction

Nifedipine, is a calcium channel blocker medication used to manage angina, high blood pressure, Raynaud's phenomenon, and premature labor. It is one of the treatments of choice for Prinzmetal angina. It may be used to treat severe high blood pressure in pregnancy.



1. Nifedipine

Experimental

HPLC Method

Column:	SymmetryShield RP ₁₈ , 4.6 x 150 mm, 5 μm (p/n: 186000109)
Mobile phase:	20 mM phosphate buffer, pH 7.0/acetonitrile 40:60
Flow rate:	1.0 mL/min
Injection volume:	5 μL

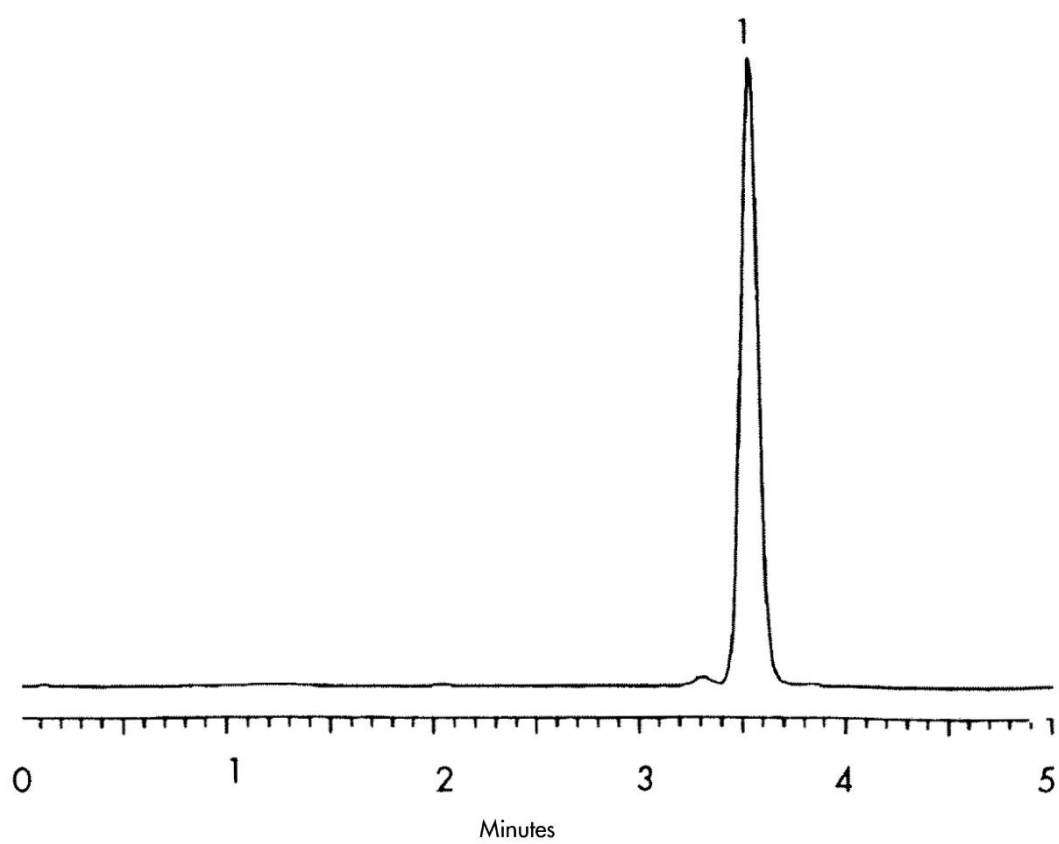
Detection:

UV @240 nm

USP tailing factors:

1.103

Results and Discussion



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WA31763.113, June 2003

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