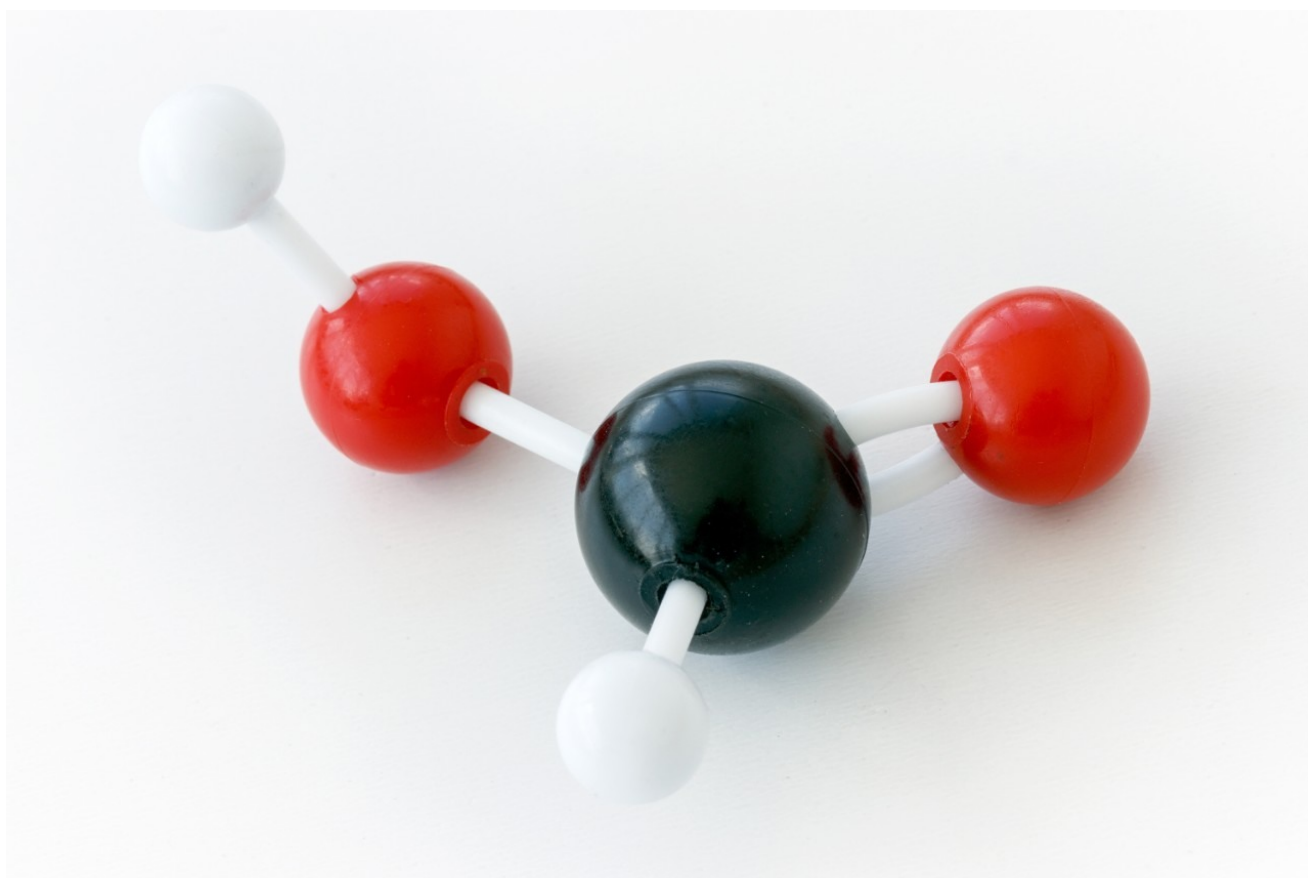


Calcium Channel Blockers in Formic Acid: 12000 µg Total Load

Waters Corporation



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

Abstract

This application brief highlights the calcium blockers in formic acid.

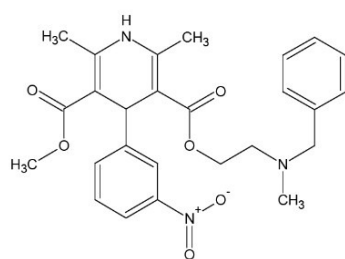
Introduction

Compounds used in study:

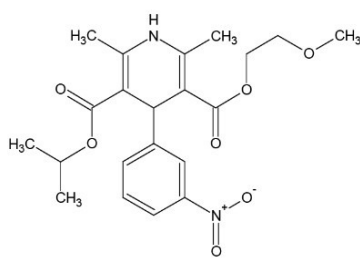
1. Nicardipine

2. Nifedipine

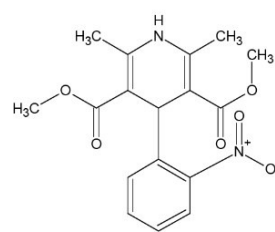
3. Nimodipine



Nicardipine



Nimodipine



Nifedipine

Experimental

Conditions

Column:	SunFire C ₁₈ 4.6 x 150 mm, 5 μm
Part number:	186002559
Mobile phase A:	0.1% HCOOH in Water
Mobile phase B:	0.1% HCOOH in ACN
Flow rate:	1.4 mL/min
Injection volume:	40 μL

Sample concentration: 100 mg/mL each, in DMSO

Temperature: Ambient

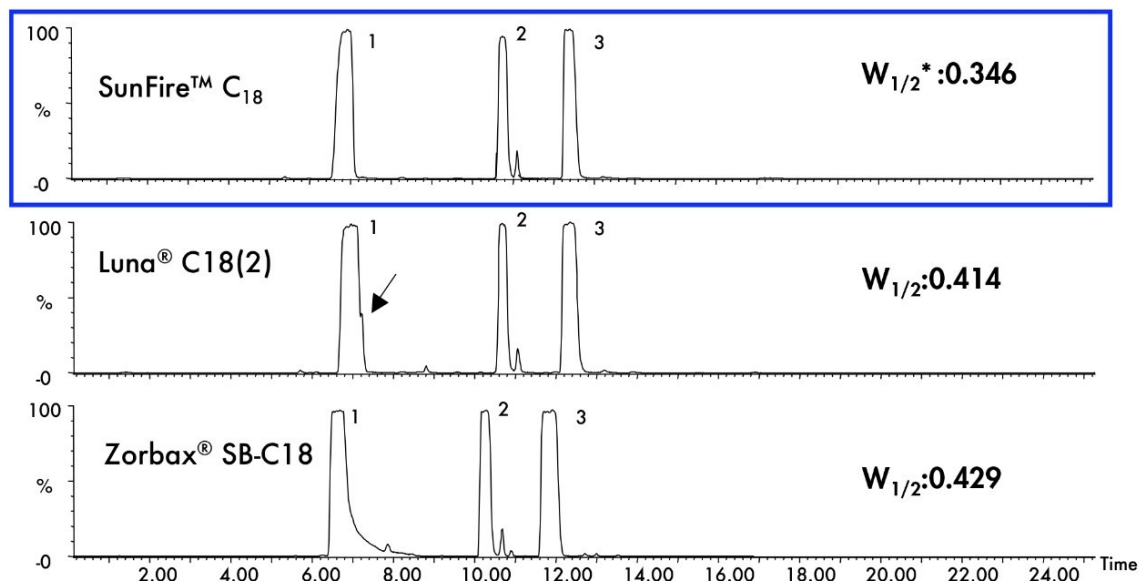
Detection: UV @ 254 nm

Instrument: AutoPurification System

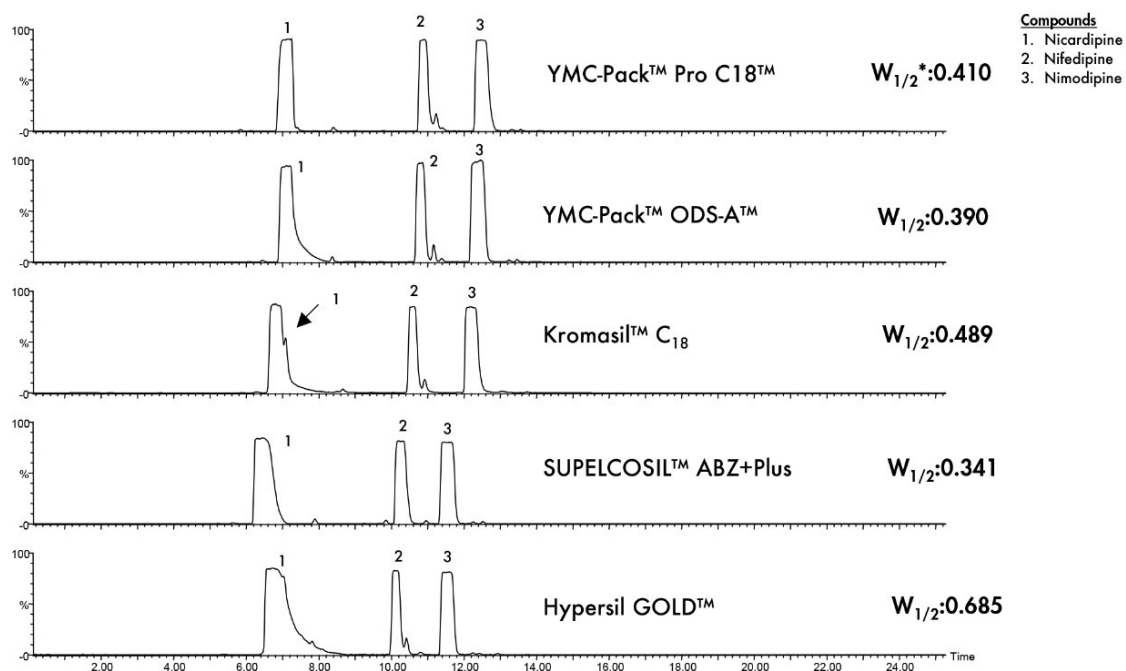
Gradient

Time (min)	Profile	
	%A	%B
0.0	85	15
10.0	50	50

Results and Discussion



*: $W_{1/2}$ value is calculated based on the half width of the 1st peak.



*: $W_{1/2}$ value is calculated based on the half width of the 1st peak.

Featured Products

[AutoPurification System <https://www.waters.com/10007147>](https://www.waters.com/10007147)

WA41887, May 2005



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