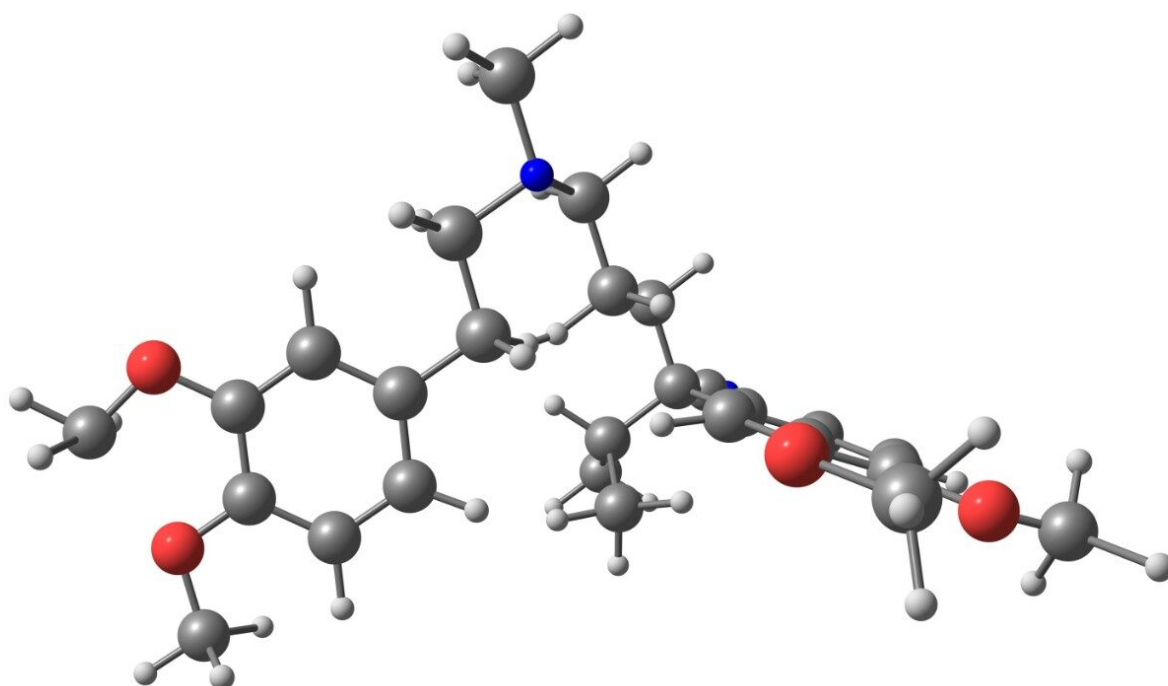


Verapamil and Norverapamil

Waters Corporation



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

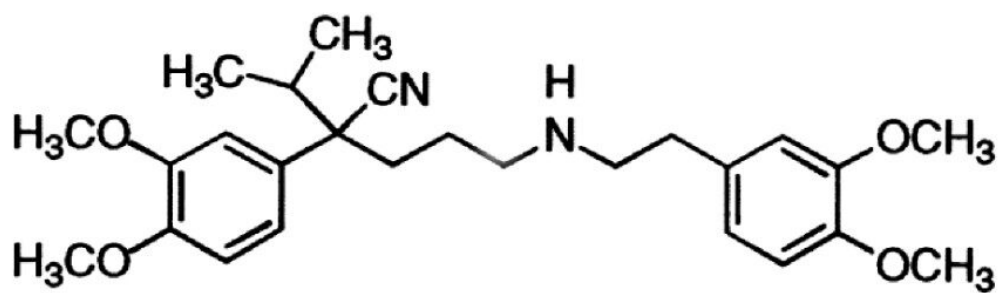
Abstract

This application brief demonstrates analysis of verapamil and norverapamil.

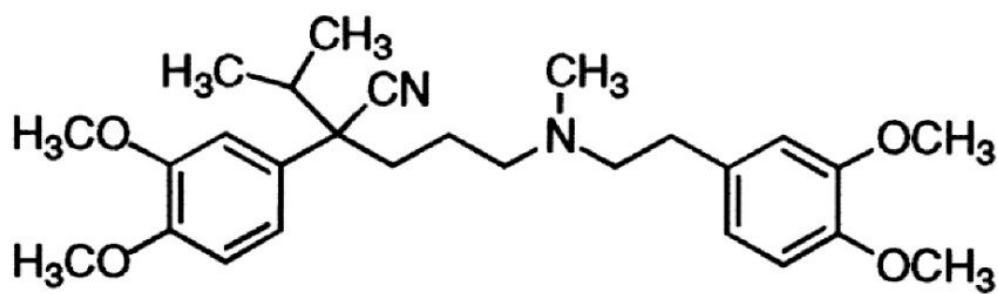
Introduction

The compounds used in this study are –

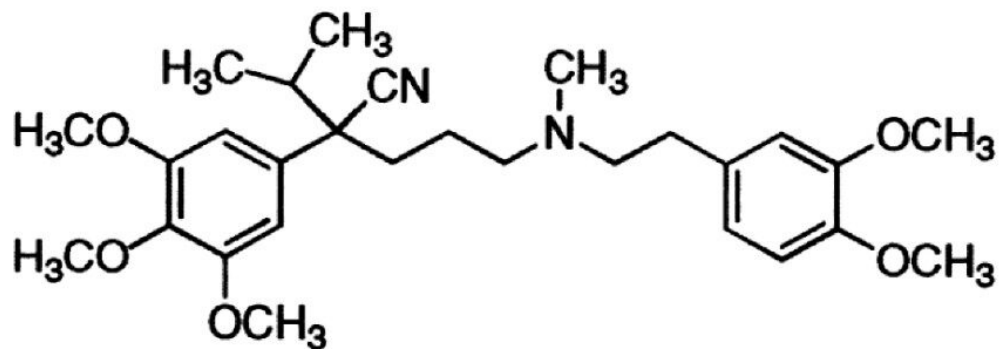
Compounds	USP Tailing Factors
Norverapamil	1.1
Verapamil	1.06
Methoxyverapamil (I.S.)	1.07



1. Norverapamil



2. Verapamil



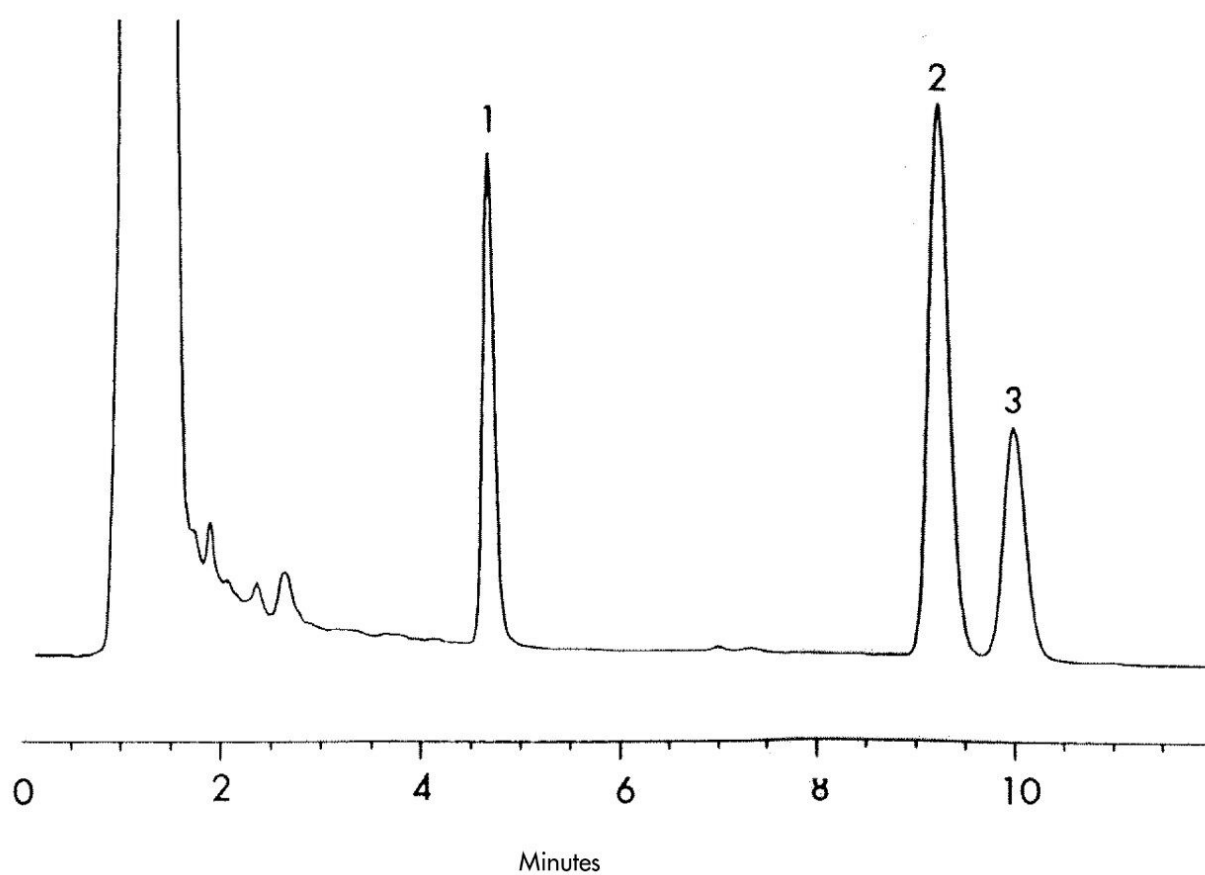
3. Methoxyverapamil (I.S.)

Experimental

HPLC Method

Column:	Symmetry Shield RP ₈ , 3.9 x 150 mm, 5 µm
Part numbers:	WAT200655
Mobile phase:	50 mM phosphate pH 7.0/acetonitrile/methanol 41:37:22
Flow rate:	1.0 mL/min
Injection volume:	40 µL
Detection:	UV @ 230 nm

Results and Discussion



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WA31763.178, June 2003