

Ephedra Alkaloids

Waters Corporation



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

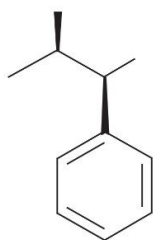
Abstract

This application brief demonstrates analysis of ephedra alkaloids.

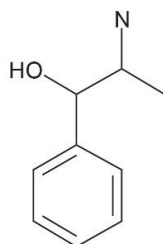
Introduction

The compounds used in this study are –

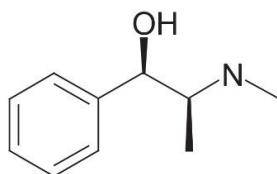
1. Norephedrine
2. Norpseudoephedrine
3. Ephedrine
4. Pseudoephedrine
5. Methylephedrine
6. Methylpseudoephedrine



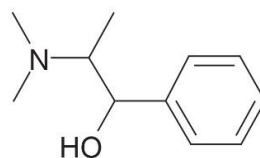
Norephedrine



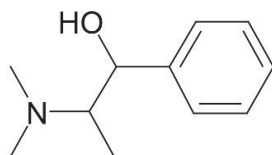
Norpseudoephedrine



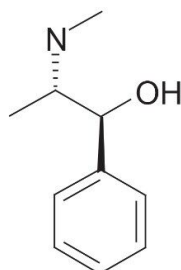
Ephedrine



Methylephedrine



Methylpseudoephedrine



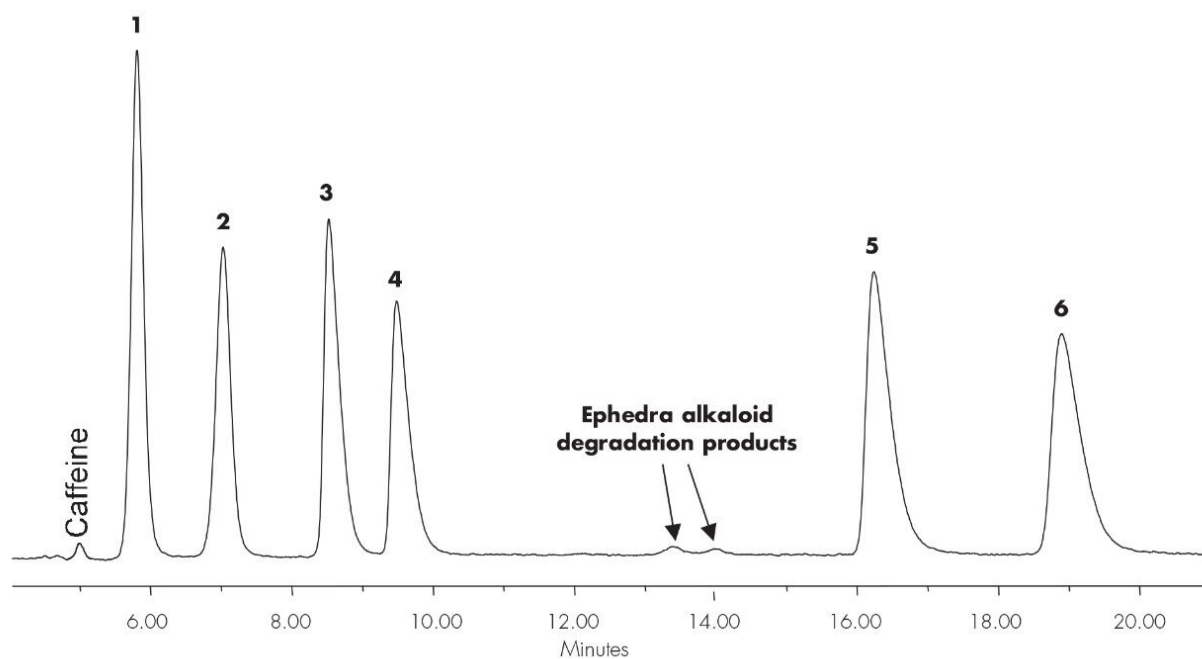
Pseudoephedrine

Experimental

Conditions

Column:	Xterra Phenyl, 2.1 x 150 mm, 3.5 μ m
Part number:	186001181
Mobile phase A:	10 mM NH_4HCO_3 , pH 9.5
Mobile phase B:	ACN
Flow rate:	0.23 mL/min
Isocratic mobile phase composition:	90% A; 10% B
Injection volume:	5 μ L
Temperature:	40 $^\circ\text{C}$
Detection:	UV @ 254 nm
Instrument:	Alliance 2695, 2996 PDA

Results and Discussion



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Alliance HPLC System <<https://www.waters.com/534293>>

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