

Application Note

## Ephedra Alkaloids

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Waters Corporation



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

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### Abstract

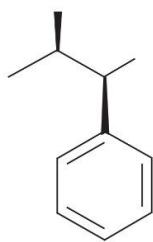
This application brief demonstrates analysis of ephedra alkaloids.

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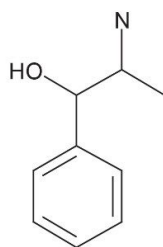
## Introduction

The compounds used in this study are –

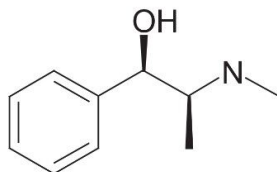
1. Norephedrine
2. Norpseudoephedrine
3. Ephedrine
4. Pseudoephedrine
5. Methylephedrine
6. Methylpseudoephedrine



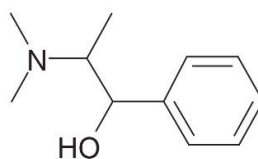
Norephedrine



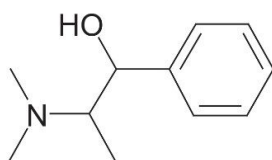
Norpseudoephedrine



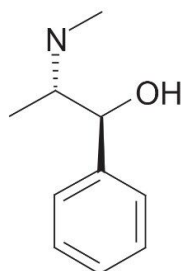
Ephedrine



Methylephedrine



Methylpseudoephedrine



Pseudoephedrine

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## Experimental

### Conditions

Column:

Xterra Phenyl, 2.1 x 150 mm, 3.5  $\mu$ m

Part number:

186001181

Mobile phase A:

10 mM  $\text{NH}_4\text{HCO}_3$ , pH 9.5

Mobile phase B: ACN

Flow rate: 0.23 mL/min

Isocratic mobile phase composition: 90% A; 10% B

Injection volume: 5  $\mu$ L

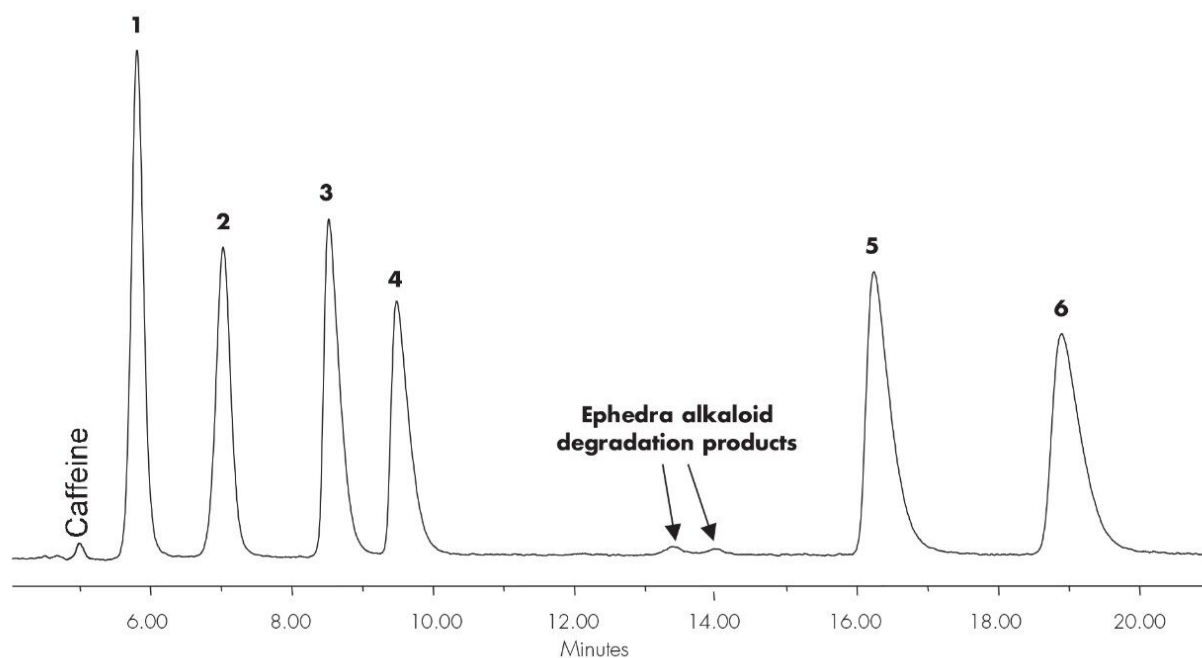
Temperature: 40  $^{\circ}$ C

Detection: UV @ 254 nm

Instrument: Alliance 2695, 2996 PDA

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## Results and Discussion



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## Featured Products

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

WA20738.048, June 2002

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