

## Theophylline

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Waters Corporation



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

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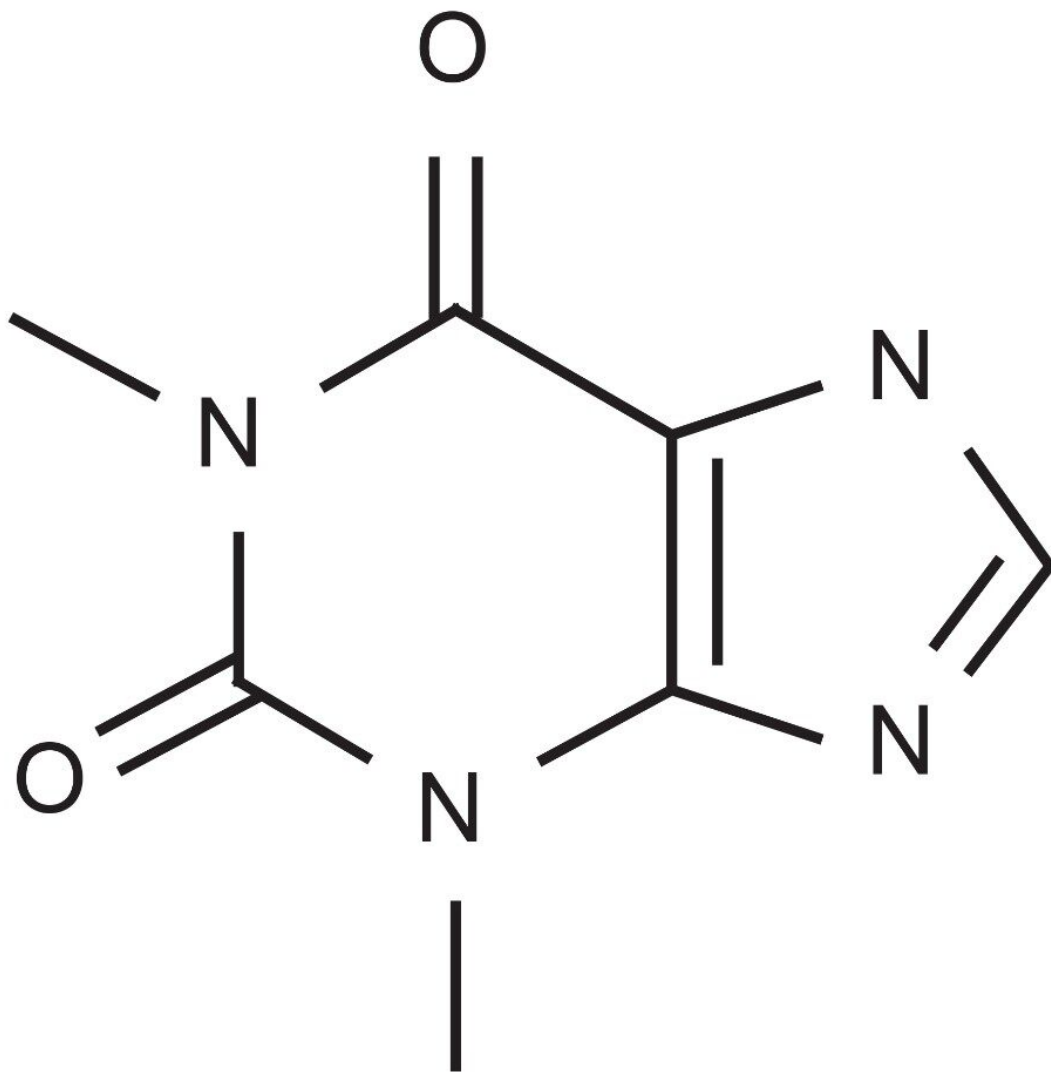
### Abstract

This application brief demonstrates analysis of theophylline.

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## Introduction

The compound analyzed in this study is theophylline.



# Theophylline

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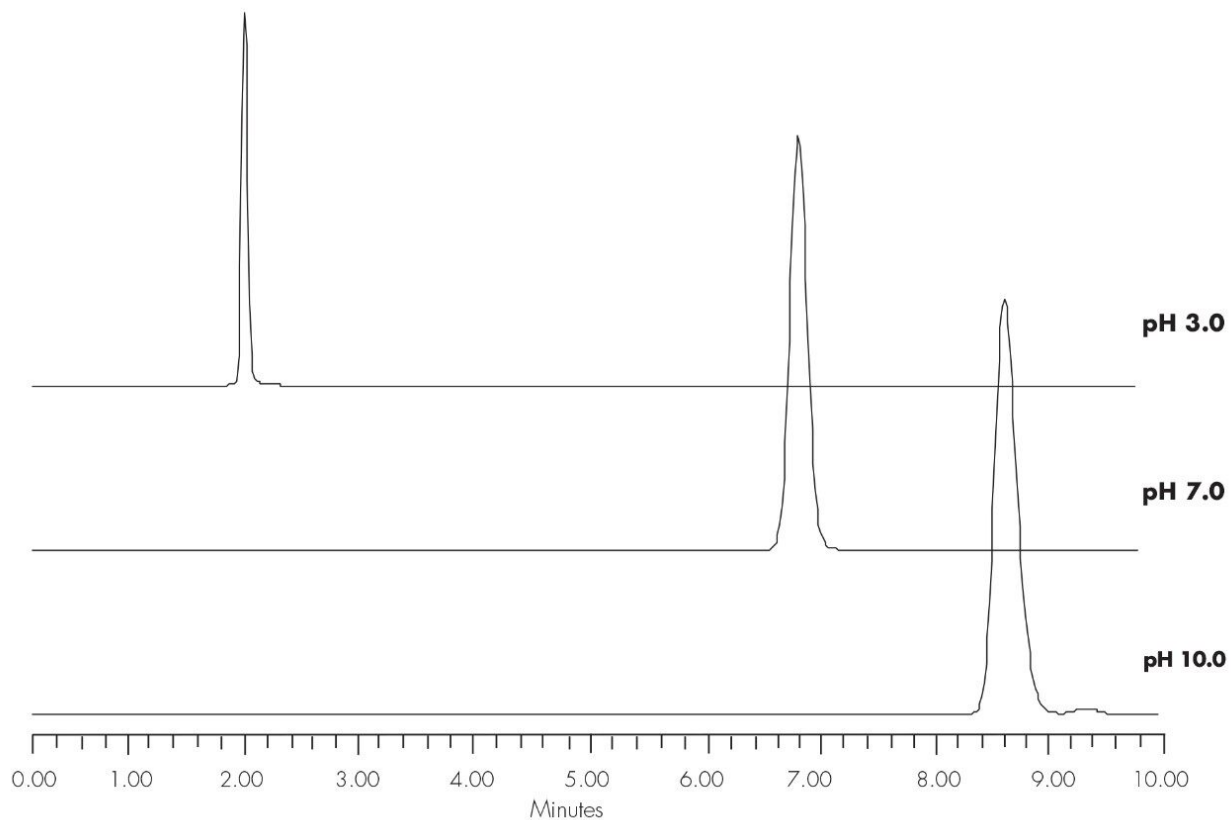
# Experimental

## Conditions

Column:	Xterra RP <sub>18</sub> 4.6 x 150 mm, 5 μm
Part number:	186000492
Mobile phase:	pH 3.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> COOH, pH 3.0 65:25:10  pH 7.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 7.0 85:05:10  pH 10.0 H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 10.0 90:0:10
Flow rate:	1.0 mL/min
Injection volume:	5 μL of 250 μg/mL
Temperature:	30 °C
Detection:	UV @ 280 nm
Instrument:	Alliance 2695, 2996 PDA
Mobile Phase pH	USP Tailing
3.0	1.1
7.0	1.06
10.0	1.19

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## Results and Discussion



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## Featured Products

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

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