

## Barbiturates

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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 details on the analysis of barbiturates using Symmetry Columns.

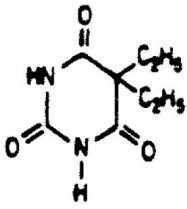
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### Introduction

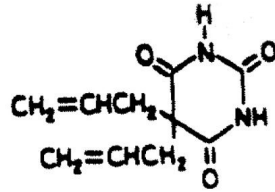
The compounds analyzed in this study are:

1. Barbital
2. Allobarbital
3. Phenobarbital
4. Butabarbital
5. Butalbital
6. Amobarbital

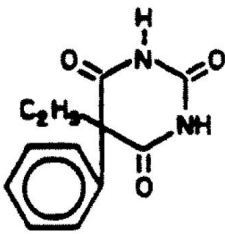
7. Mephobarbital



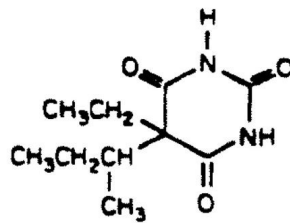
1. Barbitital



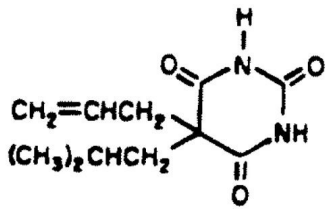
2. Allobarbitital



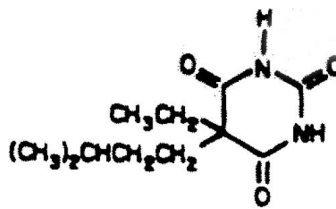
3. Phenobarbital



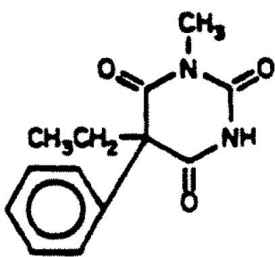
4. Butobarbital



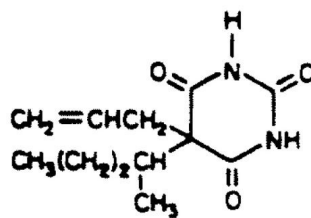
5. Butalbital



6. Amobarbital



7. Mephobarbital



8. Secobarbital

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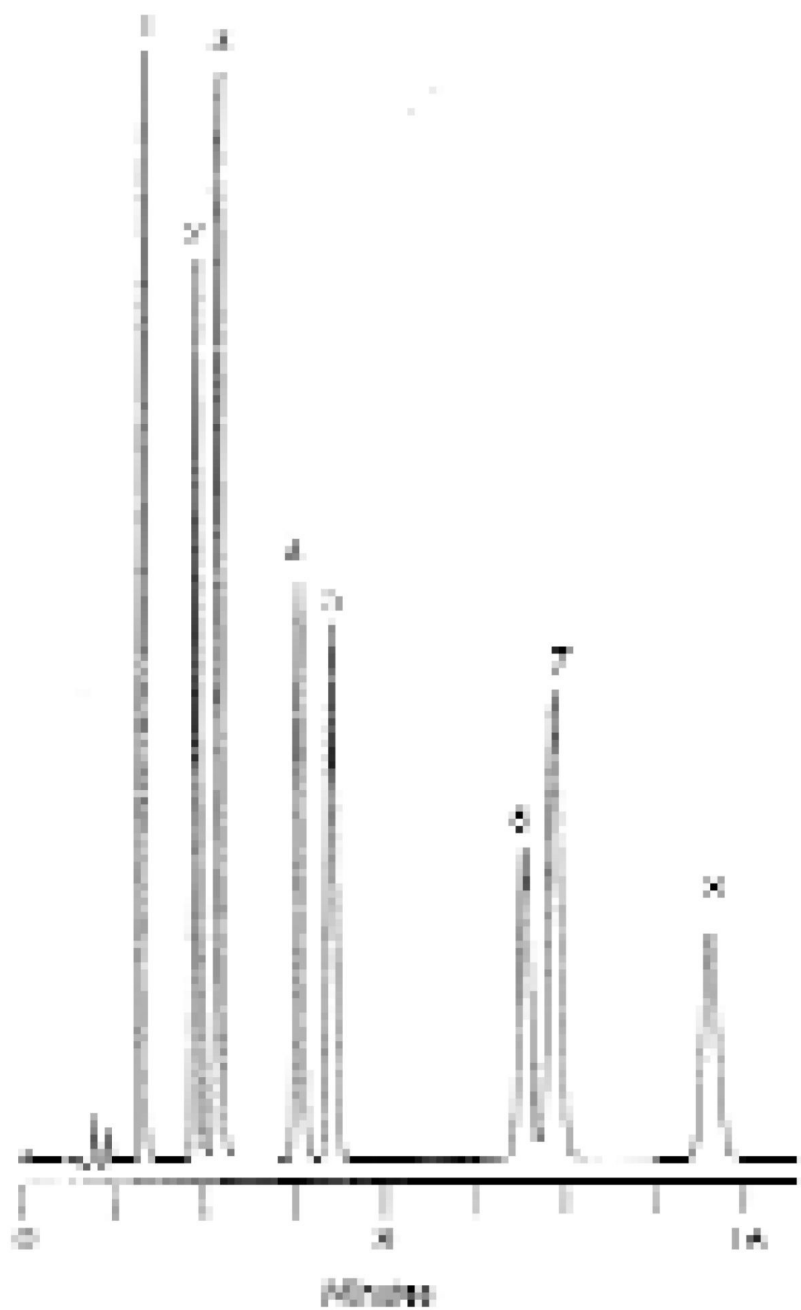
## Experimental

### HPLC Method

Column:	Symmetry C <sub>8</sub> , 3.9 x 150 mm, 5 μm
Guard column:	Symmetry Guard Column 3.9 x 20 mm, 5 μm
Part numbers:	Column - WAT046970, Guard - WAT054250
Mobile phase:	100 mM Potassium phosphate, pH 6.9/acetonitrile/water 20:30:50
Flow rate:	1.0 mL/min
Injection volume:	10 μL of 25μg/mL sample
Detection:	UV @ 214 nm

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## Results and Discussion



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