

## Anticonvulsants

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Waters Corporation

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

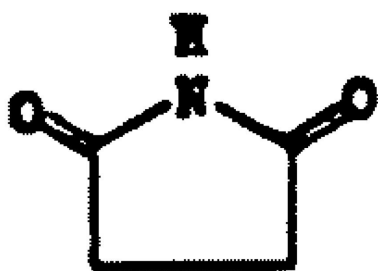
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### Abstract

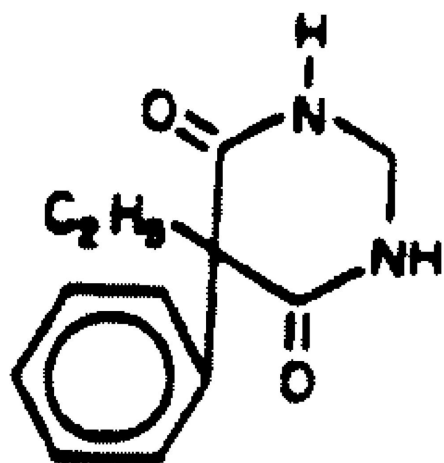
This application brief details on the analysis of Anticonvulsants using Symmetry Columns.

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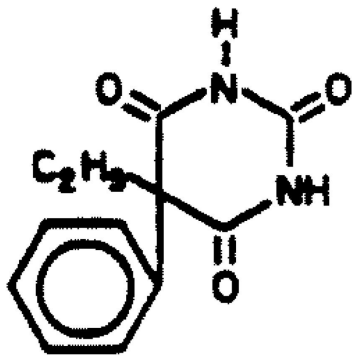
### Introduction



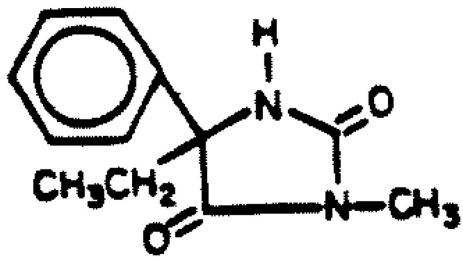
1. Succinimide



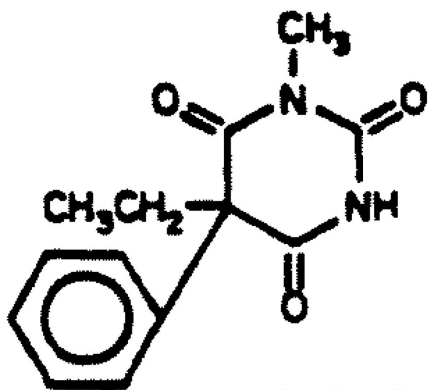
2. Primidone



3. Phenobarbital



4. Mephentyoin



5. Mephobarbital

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## Experimental

### HPLC Method

Column:	Symmetry C <sub>8</sub> , 3.9 x 150 mm, 5 µm
Part number:	WAT046970
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 11–160 µg/mL sample
Temperature:	30 °C
Detection:	UV @ 214 nm

### USP Tailing Factors

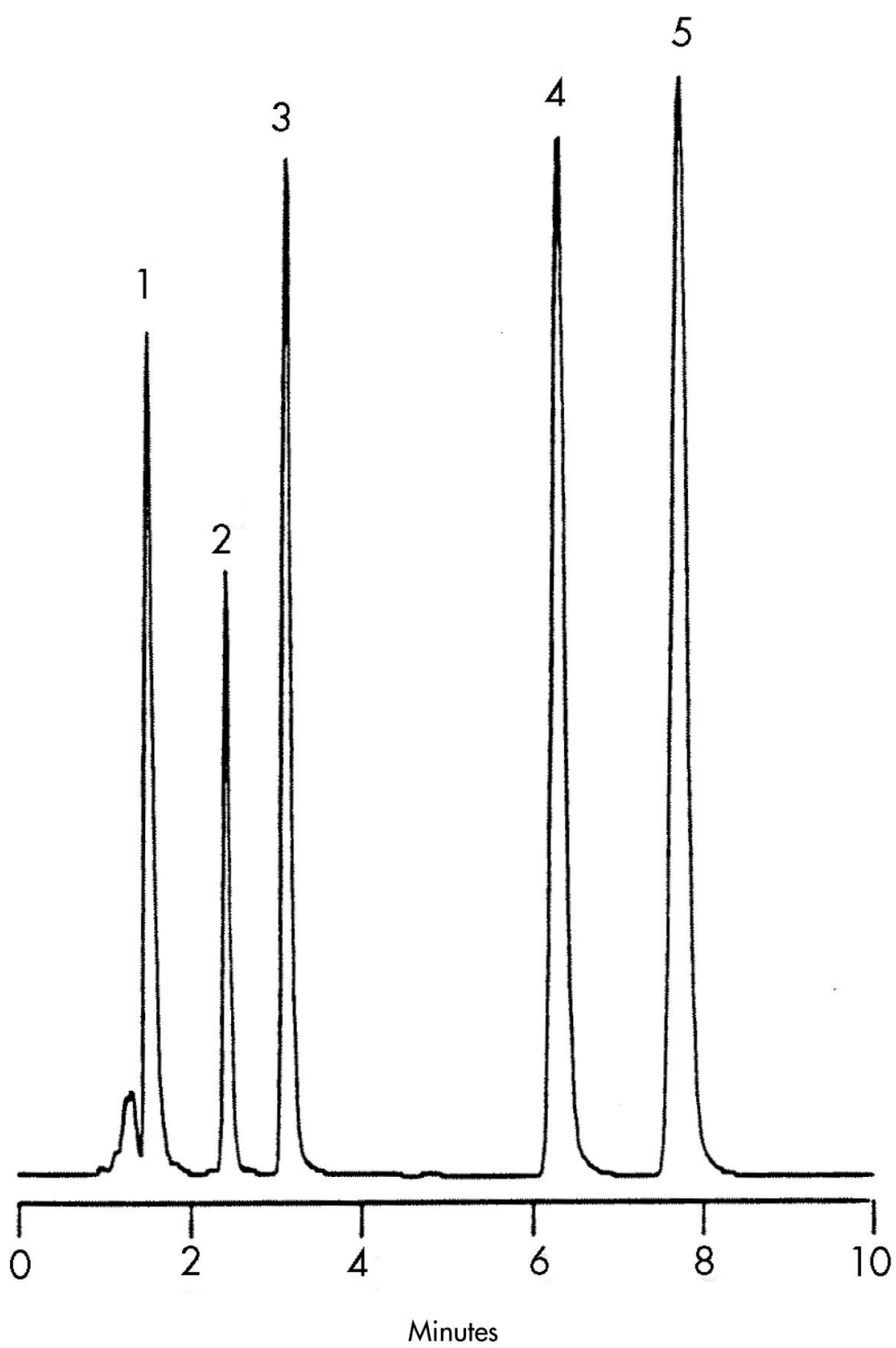
1. 1.41
2. 1.03
3. 1.11
4. 1.02
5. 1.07

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## Results and Discussion

The compounds analyzed in this study are:

1. Succinimide
2. Primidone
3. Phenobarbital
4. Mephenytoin
5. Mephobarbital



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## Featured Products

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