

Application Note

Anticonvulsants

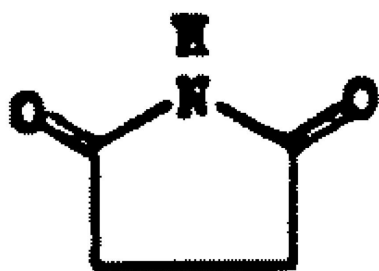
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This is an Application Brief and does not contain a detailed Experimental section.

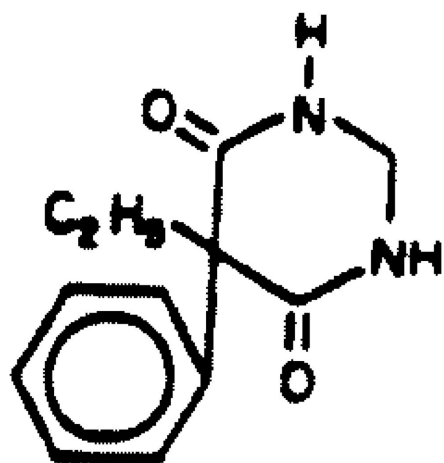
Abstract

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

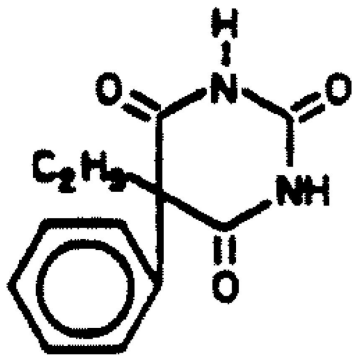
Introduction



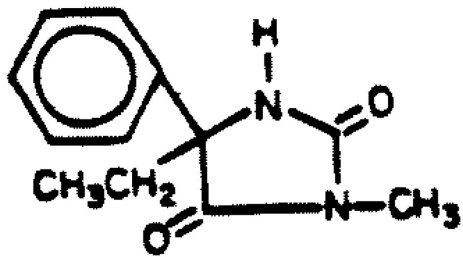
1. Succinimide



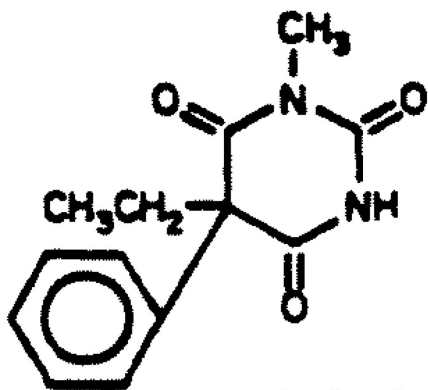
2. Primidone



3. Phenobarbital



4. Mephentyoin



5. Mephobarbital

Experimental

HPLC Method

Column:	Symmetry C ₈ , 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

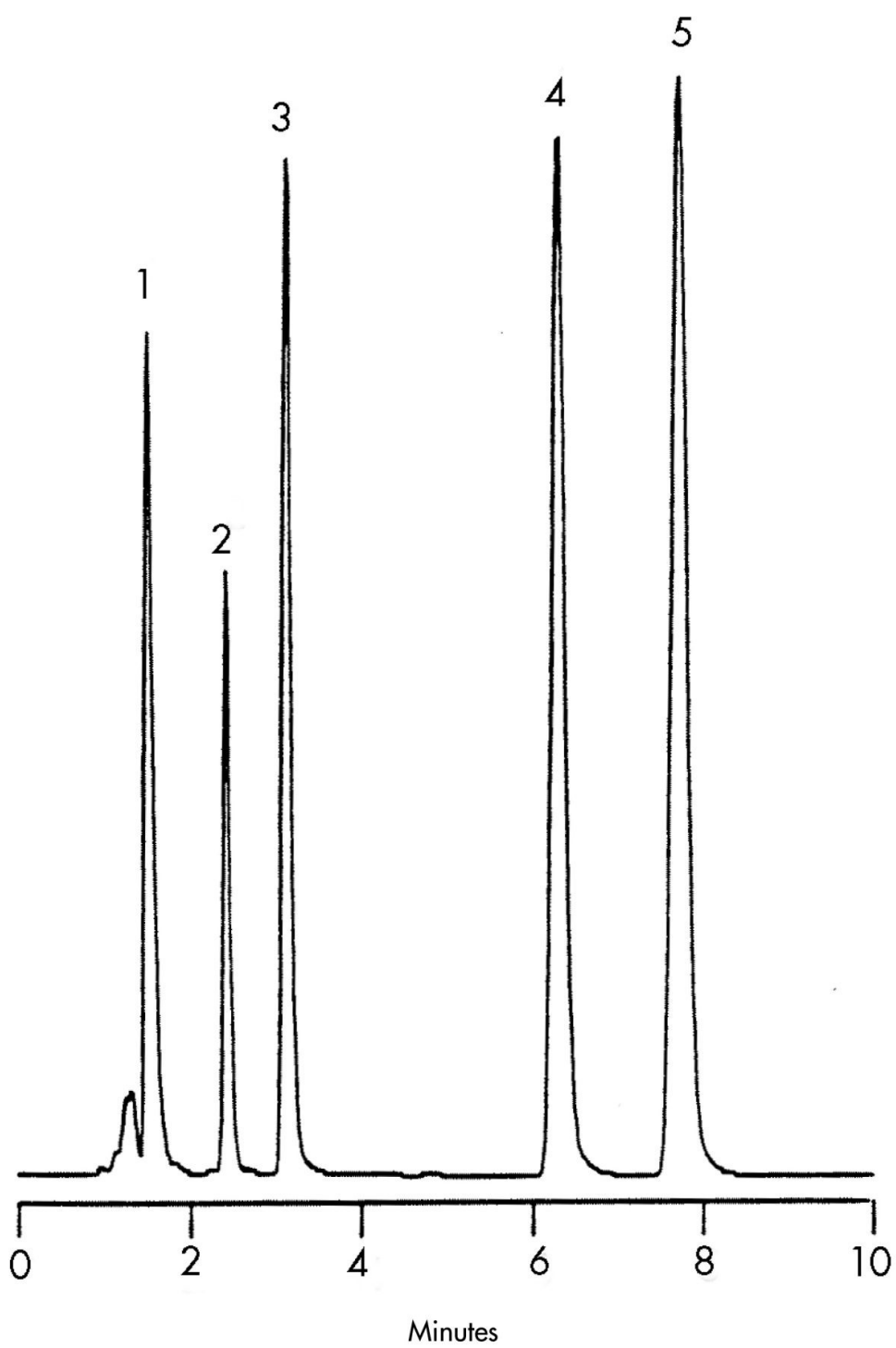
USP Tailing Factors

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

Results and Discussion

The compounds analyzed in this study are:

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



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