

Barbiturates

Waters Corporation

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

Abstract

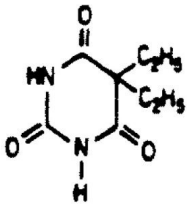
This application brief details on the analysis of barbiturates using Symmetry Columns.

Introduction

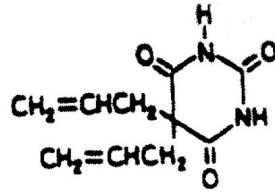
The compounds analyzed in this study are:

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

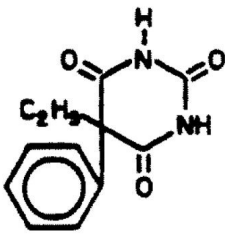
7. Mephobarbital



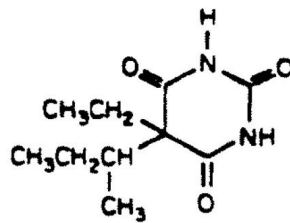
1. Barbitital



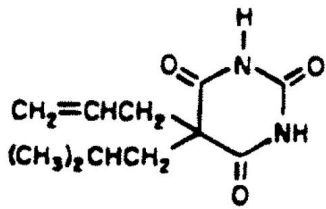
2. Allobarbitital



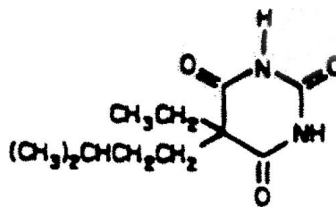
3. Phenobarbitital



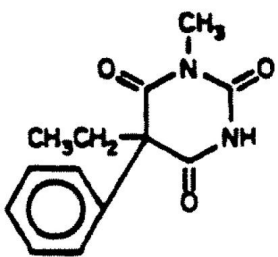
4. Butobarbitital



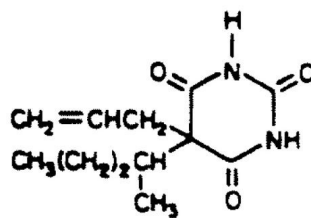
5. Butalbital



6. Amobarbitital



7. Mephobarbitital



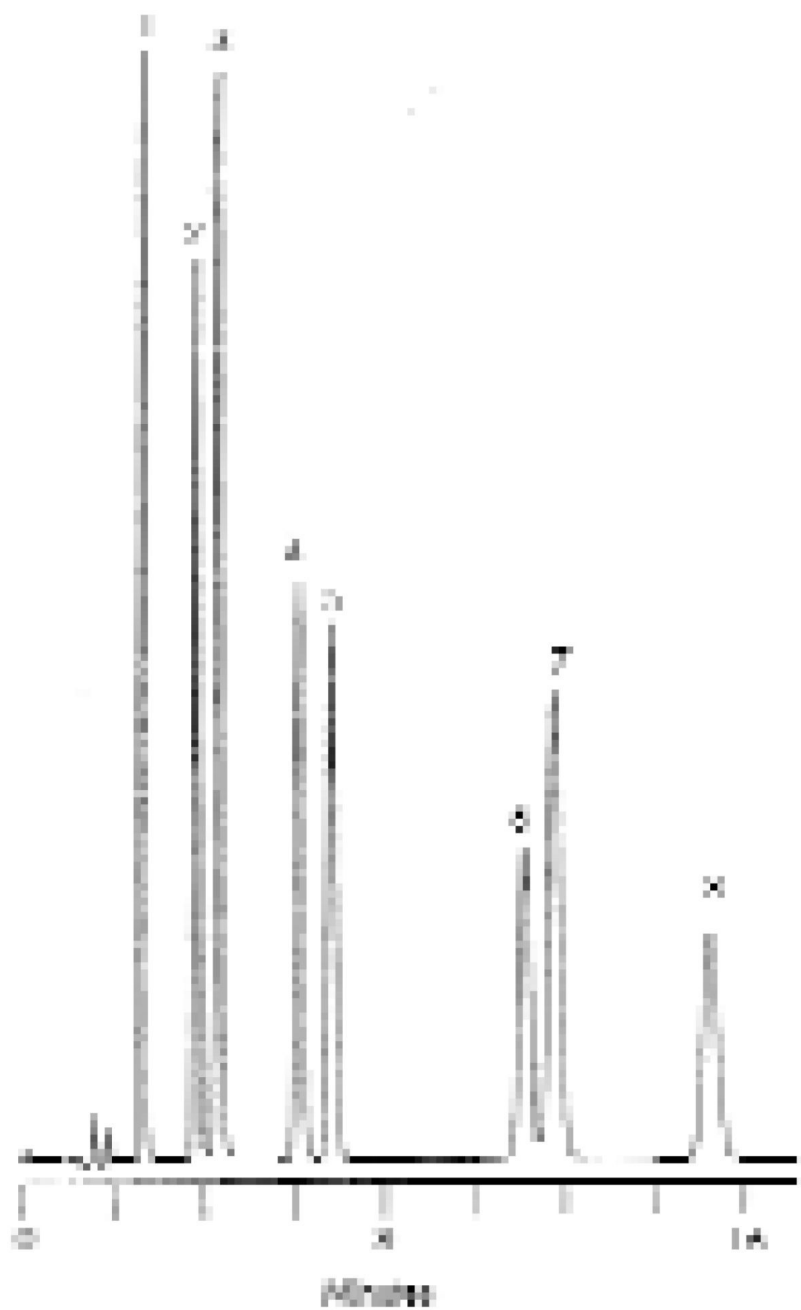
8. Secobarbitital

Experimental

HPLC Method

Column:	Symmetry C ₈ , 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

Results and Discussion



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