

Barbitals

Application Note

Clinical Research

Authors

Agilent Technologies, Inc.

Introduction

Enantiomeric separation of two barbitals by gas chromatography with an Agilent CP-Cyclodextrin-B-2,3,6-M-19 column is achieved in 20 minutes.



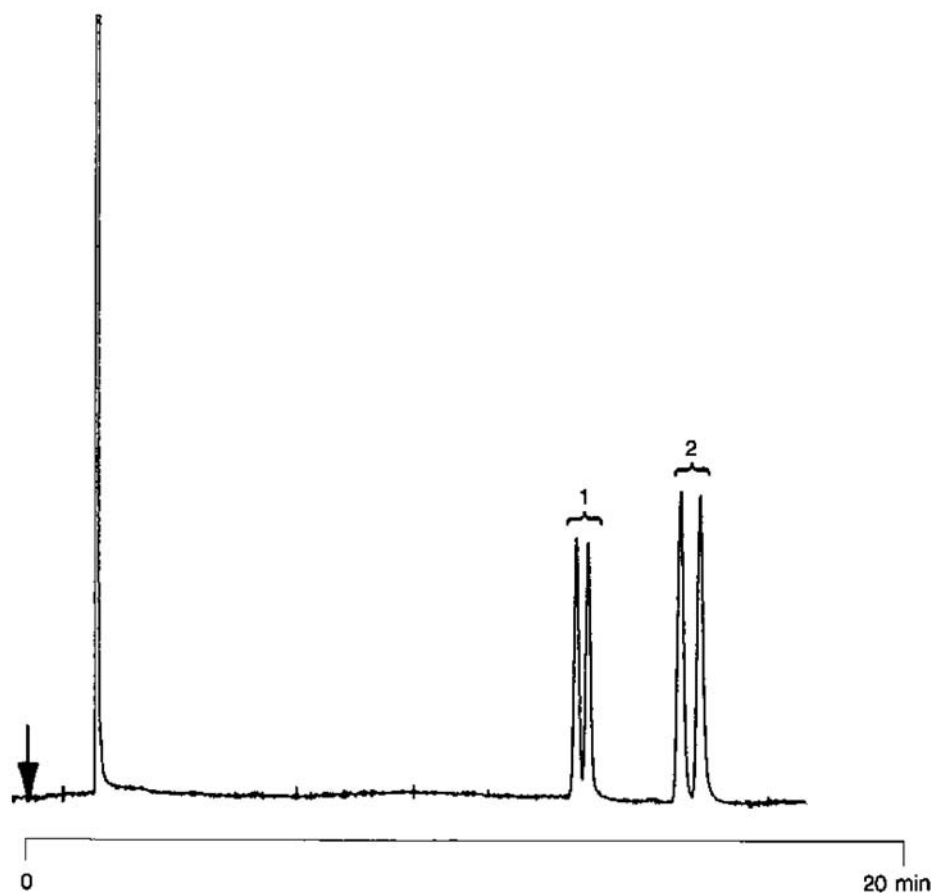
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Conditions

Technique : GC-capillary
Column : Agilent CP-Cyclodextrin-B-2,3,6-M-19, 0.25 mm x
25 m fused silica WCOT Cyclodextrin-B-2,3,6-M-19
(df = 25 μ m) (Part no. CP7500)
Temperature : 210 °C isothermal
Carrier Gas : H₂, 60 kPa (0.6 bar, 8.6 psi)
Injector : Split, 100 mL/min
T = 250 °C
Detector : FID
T = 275 °C
Concentration Range : 0.2% in CH₃OH

Peak identification

1. hexobarbital
2. methylphenobarbital



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This information is subject to change without notice.

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