97-0895

Waters Application Library

Separation of Ethosuximide Enantiomers by Chiral MEKC

CE-Chiral **Application Library**

Compound: **Ethosuximide**
Type: Enantiomeric Mixture
Matrix: Water
Secondary Matrix:

Conditions:

Column / Capillary: **AccuSep**
Column / Capillary Dimensions: 50 um by 60 cm
Column / Capillary Part Number: WAT250-01
Flow Rate / Voltage: 15 KV
Temperature: 30 degrees C
Injection Volume / Type: Hydrostatic
Injection Conditions: 10 seconds
Sample Concentration: 100ug/mL
Sample Preparation:
Run Time: 17 min.

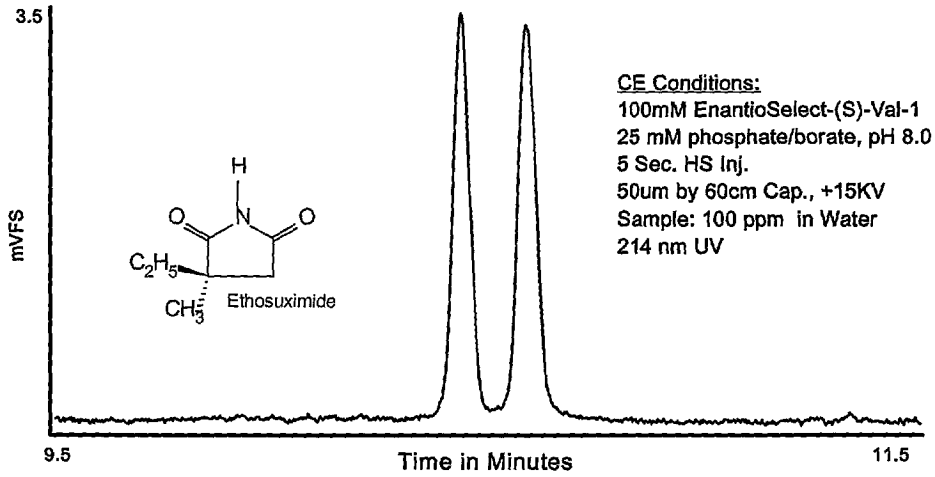
Mobile Phase / Electrolyte: 25 mM PO4/BO4, pH 8.0, 100 mM Enantioselect-(S)-Val-1
Gradient Conditions:
Detection (Primary): 214 nm
Detection (Secondary):

Instrumentation /System:

Waters Q4000E
Millennium Chromatography Manager V2.1 Control

Chromatogram / Electropherogram:

Chiral MEKC Separation of Ethosuximide Enantiomers: Optimized Conditions



Objectives:

Separation of ethosuximide enantiomers by Chiral MEKC.

Details:

Separation was optimized by adjusting the concnetration of Enantioselect reagent. These conditions will also separate mixtures of various other barbiturates.

Ordering Information:

Part Number	Description	Quantity
WAT066270	WATERS ENANTIOSELECT CHIRAL TEST KIT	1