Product Name: (R)-(+) -Etomoxir sodium salt
Catalog No.: 4539
Batch No.: 3

CAS Number: 828934-41-4
IUPAC Name: (R)-(+) -[6-(4-Chlorophenoxy)hexyl]-oxirane-2-carboxylic acid sodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₈ClNaO₄·H₂O
Batch Molecular Weight: 338.76
Physical Appearance: White solid
Solubility:
- Water to 20 mM
- DMSO to 20 mM with gentle warming
- Ethanol to 20 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 98.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: [α]D = +22.4 (Concentration = 1, Solvent = Methanol)
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
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<tbody>
<tr>
<td>Carbon</td>
<td>53.19</td>
<td>53.24</td>
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<tr>
<td>Hydrogen</td>
<td>5.95</td>
<td>5.66</td>
</tr>
<tr>
<td>Nitrogen</td>
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</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Name: (R)-(+) - Etomoxir sodium salt

CAS Number: 828934-41-4
IUPAC Name: (R)-(+) - 2-[6-(4-Chlorophenoxy)hexyl]oxirane-2-carboxylic acid sodium salt

Description:
Inhibitor of carnitine palmitoyltransferase I (CPT1); inhibits β-oxidation in mitochondria. Shown to inhibit cardiolipin biosynthesis from exogenous fatty acid in H9c2 cells.

Physical and Chemical Properties:
Batch Molecular Formula: C_{12}H_{18}ClNaO_{4}.H_{2}O
Batch Molecular Weight: 338.76
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at -20°C

Solubility & Usage Info:
- water to 20 mM
- DMSO to 20 mM with gentle warming
- ethanol to 20 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
- SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
- SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: