1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( \text{C}_{19}\text{H}_{35}\text{N}\cdot\text{C}_{4}\text{H}_{4}\text{O}_{4} \)
   Batch Molecular Weight: 393.56
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM, ethanol to 20 mM
   Storage: Store at +4°C
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC: Shows 99.6% purity
   \(^1\text{H NMR:} \) Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:
   
<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
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<tr>
<td>H</td>
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<td>10.09</td>
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<tr>
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<td>3.83</td>
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</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Description:
Carnitine palmitoyltransferase 1 and 2 (CPT1/2) inhibitor. Inhibits palmitate oxidation in rat cardiomyocytes and increases cardiac efficiency in isolated rat hearts. Antianginal.

Physical and Chemical Properties:
Batch Molecular Formula: C_{19}H_{35}N.C_{2}H_{4}O_{4}
Batch Molecular Weight: 393.56
Physical Appearance: White solid

Minimum Purity: >99%

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 100 mM
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: