1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{24}H_{28}NO_5 \cdot \frac{1}{2}Ca \cdot \frac{1}{4}H_2O \)
Batch Molecular Weight: 435.02
Physical Appearance: White solid
Solubility: DMSO to 100 mM, ethanol to 20 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.8% purity
\(^1H\) NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>66.26</td>
<td>6.6</td>
<td>3.22</td>
</tr>
<tr>
<td>Found</td>
<td>66.38</td>
<td>6.64</td>
<td>3.19</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Sacubitril calcium
CAS Number: 1369773-39-6
IUPAC Name: Ethyl (αR,γS)-γ-[(3-carboxy-1-oxopropyl)amino]-α-methyl-[1,1′-biphenyl]-4-pentanoate hemicalcium salt

Description:
Membrane metallo-endopeptidase (neprilysin) inhibitor prodrug. Increases ANF-induced natriuresis without affecting diuresis in rats. Orally bioavailable.

Physical and Chemical Properties:
Batch Molecular Formula: C_{24}H_{30}NO_{7}·\frac{1}{2}Ca·\frac{1}{4}H_{2}O
Batch Molecular Weight: 435.02
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at -20°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: