1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{32}\text{H}_{28}\text{N}_{4}\text{O}_{3}$

Batch Molecular Weight: 516.6

Physical Appearance: White solid

Solubility: DMSO to 100 mM ethanol to 10 mM

Storage: Store at RT

2. ANALYTICAL DATA

TLC: $R_f = 0.27$ (Ethyl acetate:Petroleum ether [1:2])

Melting Point: Between 192 - 194°C

HPLC: Shows 99.0% purity

Chiral HPLC: Shows 99.0% purity

$^1\text{H}$ NMR: Consistent with structure

$^{13}\text{C}$ NMR: Consistent with structure

Optical Rotation: $[\alpha]_D = +123$ (Concentration = .99, Solvent = Dichloromethane)

Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>74.4</td>
<td>5.46</td>
<td>10.85</td>
</tr>
<tr>
<td>Found</td>
<td>74.3</td>
<td>5.45</td>
<td>10.81</td>
</tr>
</tbody>
</table>
Description:
Extremely potent and highly selective non-peptide CCK₂ silent antagonist (Kᵢ values are 68 pM and 63 nM at CCK₂ and CCK₁ receptors respectively). Acts in vivo to potently inhibit gastrin-induced gastric acid secretion and histidine decarboxylase activation with a long duration of action.

Physical and Chemical Properties:
Batch Molecular Formula: C₃₂H₂₈N₄O₇
Batch Molecular Weight: 516.6
Physical Appearance: White solid

Minimum Purity: >99%

Storage: Store at RT

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 10 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: