1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{27}\text{H}_{37}\text{N}_3\text{O}$
Batch Molecular Weight: 419.61
Physical Appearance: White solid
Solubility: 1eq. HCl to 100 mM
Storage: Store at RT

2. ANALYTICAL DATA

TLC: $R_f = 0.28$ (Ethyl acetate)
Melting Point: Between 155 - 156°C
HPLC: Shows 100% purity
$^1\text{H NMR:}$ Consistent with structure
Optical Rotation: $[\alpha]_D = +28.2$ (Concentration = 0.2, Solvent = Methanol)
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon (%)</th>
<th>Hydrogen (%)</th>
<th>Nitrogen (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>77.29</td>
<td>8.89</td>
<td>10.01</td>
</tr>
<tr>
<td>Found</td>
<td>77.31</td>
<td>8.96</td>
<td>10.02</td>
</tr>
</tbody>
</table>
Product Information

Product Name: SNC 162
Catalog No.: 1529
Batch No.: 1

CAS Number: 178803-51-5
IUPAC Name: 4-[(S)-[(2S,5R)-2,5-Dimethyl-4-(2-propenyl)-1-piperazinyl]phenylmethyl]-N,N-diethylbenzamide

Description:
Potent and selective non-peptide δ-opioid receptor agonist (Kᵢ = 0.63 nM). Displays > 8000-fold selectivity over μ-opioid receptors and is centrally active following systemic administration in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₇H₃₃N₃O
Batch Molecular Weight: 419.61
Physical Appearance: White solid
Minimum Purity: >99%

Batch Molecular Structure:

Storage: Store at RT

Solubility & Usage Info:
1eq. HCl to 100 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: