1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{24}\text{H}_{22}\text{N}_{4}\text{O}_{2} \cdot \frac{1}{2}\text{H}_{2}\text{O} \)

Batch Molecular Weight: 407.47

Physical Appearance: White solid

Solubility: DMSO to 100 mM, ethanol to 100 mM

Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.67 \) (Ethyl acetate:Petroleum ether [2:3])

HPLC: Shows >99.5% purity

Chiral HPLC: Shows >99.4% purity

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

Mass Spectrum: Consistent with structure

Optical Rotation: \([\alpha]_D = +100.4\) (Concentration = 1.1, Solvent = Chloroform)

Microanalysis: Carbon Hydrogen Nitrogen

<table>
<thead>
<tr>
<th>Theoretical</th>
<th>Found</th>
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</thead>
<tbody>
<tr>
<td>70.74</td>
<td>70.63</td>
</tr>
<tr>
<td>5.69</td>
<td>6.01</td>
</tr>
<tr>
<td>13.75</td>
<td>13.51</td>
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</tbody>
</table>
Product Name: L-365,260
Catalog No.: 2767
Batch No.: 2

CAS Number: 118101-09-0
IUPAC Name: \( N-\{(3R)-2,3\text{-Dihydro-1-methyl-2-oxo-5-phenyl}-1H-1,4\text{-benzodiazepin-3-yl}\}-N'-(3-methylphenyl)urea \)

Description:
L-365,260 is a selective cholecystokinin receptor 2 (CCK\(_2\)) antagonist (IC\(_{50}\) values are 2 and 280 nM at CCK\(_2\) and CCK\(_1\) receptors respectively) that is inactive at a range of other receptors including opiate, muscarinic acetylcholine, \( \alpha \) and \( \beta \) adrenergic, histamine, angiotensin and bradykinin receptors.

Physical and Chemical Properties:
Batch Molecular Formula: \( \text{C}_{24}\text{H}_{22}\text{N}_{6}\text{O}_{2}\cdot\frac{1}{2}\text{H}_{2}\text{O} \)
Batch Molecular Weight: 407.47
Physical Appearance: White solid
Minimum Purity: \( \geq 99\% \)

Storage: Store at +4°C

Solubility & Usage Info:
- DMSO to 100 mM
- Ethanol 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: