1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{25}H_{20}N_{4}O_{2} \cdot \frac{1}{2}H_{2}O$

Batch Molecular Weight: 417.47

Physical Appearance: White solid

Solubility: DMSO to 100 mM, ethanol to 50 mM

Storage: Store at +4°C

Batch Molecular Structure:

![Molecular Structure Image]

2. ANALYTICAL DATA

HPLC: Shows 100.0% purity

$^1$H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Optical Rotation: $[\alpha]_D = -106.1$ (Concentration = 0.9, Solvent = ACN)

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>71.93</td>
<td>71.52</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.07</td>
<td>4.88</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>13.42</td>
<td>13.33</td>
</tr>
</tbody>
</table>
**Product Information**

**Product Name:** Devazepide  
**Catalog No.:** 2304  
**Batch No.:** 3

**CAS Number:** 103420-77-5  
**IUPAC Name:** \( N-(3S)-2,3\text{-Dihydro-1\text{-methyl-2-oxo-5-phenyl-1H\text{-1,4-benzodiazepin-3-yl}}\text{-1H-indole-2-carboxamide}} \)

**Description:**
Devazepide is a potent, orally active CCK\(_1\) (CCK-A) receptor antagonist that displays appetite-stimulant effects. Blocks the anorectic response to CCK-8 and increases food intake in rats following systemic and i.c.v administration.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** \( C_{25}H_{20}N_4O_2\cdot\frac{1}{2}H_2O \)
- **Batch Molecular Weight:** 417.47
- **Physical Appearance:** White solid
- **Minimum Purity:** ≥99%

**Storage:** Store at +4°C

**Solubility & Usage Info:**
- DMSO to 100 mM
- Ethanol to 50 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:**