1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_3\text{H}_5\text{N}_5\text{O}_2\text{H}_2\text{O} \)

Batch Molecular Weight: 161.12

Physical Appearance: White solid

Solubility: Water to 50 mM

Storage: Store at RT

Batch Molecular Structure:

2. ANALYTICAL DATA

TLC: \( R_f = 0.2 \) (Pyridine:Acetic acid:Water:Butanol [3:8:11:22])

HPLC: Shows >98% purity

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

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>22.36</td>
<td>22.08</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>4.38</td>
<td>4.36</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>43.47</td>
<td>43.15</td>
</tr>
</tbody>
</table>
**Product Name:** (RS)-(Tetrazol-5-yl)glycine  
**CAS Number:** 138199-51-6

**Catalog No.:** 0312  
**Batch No.:** 4

**Description:**  
Potent NMDA receptor agonist, approximately 20 times more active than NMDA.

**Physical and Chemical Properties:**

- **Batch Molecular Formula:** C₈H₇N₄O₅.H₂O
- **Batch Molecular Weight:** 161.12
- **Physical Appearance:** White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**

![Molecular Structure Image]

**Storage:** Store at RT

**Solubility & Usage Info:**

water 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:**