1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $\text{C}_2\text{H}_5\text{NO}_2$
- **Batch Molecular Weight:** 75.07
- **Physical Appearance:** White solid
- **Solubility:** water to 100 mM
- **Storage:** Store at RT

2. ANALYTICAL DATA

- **$^1$H NMR:** Consistent with structure
- **Microanalysis:**
  
<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
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<tr>
<td>Theoretical</td>
<td>32</td>
<td>6.71</td>
<td>18.66</td>
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<tr>
<td>Found</td>
<td>31.81</td>
<td>6.76</td>
<td>18.49</td>
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</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Name:** Glycine

**CAS Number:** 56-40-6

**IUPAC Name:** Aminoethanoic acid

**Catalog No.:** 0219  
**Batch No.:** 15  
**EC Number:** 200-272-2

**Description:**
One of the major inhibitory neurotransmitters in the mammalian CNS, predominantly active in the spinal cord and brain stem. Also acts as a modulator of excitatory amino acid transmission mediated by NMDA receptors. Also available as part of the NMDA Receptor - Glycine Site Tocriset™.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₂H₅NO₂
- **Batch Molecular Weight:** 75.07
- **Physical Appearance:** White solid

**Batch Molecular Structure:**

\[
\text{H}_2\text{N} \quad \text{CO}_2\text{H}
\]

**Storage:** Store at RT

**Solubility & Usage Info:**
- water 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:**