1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( \text{C}_{10}\text{H}_7\text{NO}_3\cdot\text{H}_2\text{O} \)

   Batch Molecular Weight: 207.19

   Physical Appearance: Off White solid

   Solubility:
   - DMSO to 50 mM
   - 1eq. NaOH to 100 mM

   Storage: Store at RT

   Batch Molecular Structure:

   ![Molecular Structure](image)

2. ANALYTICAL DATA

   HPLC: Shows 99.8% purity

   \(^1\text{H} \text{NMR:} \) 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>57.97</td>
<td>58.03</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>4.38</td>
<td>4.39</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>6.76</td>
<td>6.75</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Product Name:** Kynurenic acid  
**CAS Number:** 492-27-3  
**IUPAC Name:** 4-Hydroxyquinoline-2-carboxylic acid

**Catalog No.:** 0223  
**EC Number:** 207-751-5  
**Batch No.:** 57

**Description:**
Broad spectrum EAA antagonist. Putative GPR35 ligand. Kynurenic acid sodium salt also available (Cat. No. 3694).

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₉H₇NO₃·H₂O
- **Batch Molecular Weight:** 207.19
- **Physical Appearance:** Off White solid
- **Minimum Purity:** >98%

**Solubility & Usage Info:**
- DMSO to 50 mM
- 1eq. NaOH to 100 mM

**Storage:** Store at RT

**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:**
- **Stone and Burton** (1988) NMDA receptors and ligands in the vertebrate CNS. Prog.Neurobiol. 30 333. PMID: 2830636.