1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C₁₉H₁₉N₃O₃.¾H₂O

**Batch Molecular Weight:** 350.88

**Physical Appearance:** Yellow solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at +4°C

**Batch Molecular Structure:**

![Molecular Structure Image]

2. ANALYTICAL DATA

**HPLC:** Shows 98.1% purity

**¹H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:** Carbon Hydrogen Nitrogen

<table>
<thead>
<tr>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.08</td>
<td>65.02</td>
</tr>
<tr>
<td>5.89</td>
<td>5.6</td>
</tr>
<tr>
<td>11.98</td>
<td>11.76</td>
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</tbody>
</table>
**Description:**
Non-competitive AMPA/kainate receptor antagonist that displays 2.3-3-fold more potent activity than GYKI 52466 (Cat. No. 1454). Potentiates the anticonvulsive activity of antiepileptic drugs in animal models of seizures. Orally active.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C_{19}H_{18}N_{3}O_{3}·¾H_{2}O
- **Batch Molecular Weight:** 350.88
- **Physical Appearance:** Yellow solid

**Minimum Purity:** >98%

**Storage:** Store at +4°C

**Solubility & Usage Info:**
DMSO 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:**