1. Physical and Chemical Properties

- **Batch Molecular Formula:** C_{26}H_{24}ClF_{4}N_{4}O.HCl.\frac{1}{2}H_{2}O
- **Batch Molecular Weight:** 508.42
- **Physical Appearance:** Yellow solid
- **Solubility:** DMSO to 100 mM
- **Storage:** Desiccate at RT

2. Analytical Data

- **HPLC:** Shows 99.0% purity
- **\textsuperscript{1}H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  
<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
<th>Chlorine</th>
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<tbody>
<tr>
<td>Theoretical</td>
<td>61.42</td>
<td>5.15</td>
<td>11.02</td>
<td>13.95</td>
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<tr>
<td>Found</td>
<td>61.36</td>
<td>4.84</td>
<td>10.9</td>
<td>14.18</td>
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</tbody>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Information

Product Name: CP 465022 hydrochloride
Catalog No.: 2932
Batch No.: 3

Description:
CP 465022 hydrochloride is a selective, non-competitive AMPA antagonist (IC₅₀ = 25 nM in rat cortical neurons) that displays potent anticonvulsant activity. Also significantly blocks the persistent component of Na₈.6 channel activity. Brain penetrant and orally active.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₆H₂₄ClFN₅O.HCl.½H₂O
Batch Molecular Weight: 508.42
Physical Appearance: Yellow solid
Minimum Purity: ≥99%

Storage: Desiccate at RT

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: