Product Name: CNQX disodium salt
CAS Number: 479347-85-8
IUPAC Name: 6-Cyano-7-nitroquinoxaline-2,3-dione disodium

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₉H₂N₄O₄Na₂·2¼H₂O
Batch Molecular Weight: 316.65
Physical Appearance: Orange solid
Solubility: Water to 20 mM
Storage: Desiccate at RT

2. ANALYTICAL DATA

HPLC: Shows 99.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>34.14</td>
<td>2.07</td>
<td>17.69</td>
</tr>
<tr>
<td>Found</td>
<td>34.06</td>
<td>2.24</td>
<td>17.32</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: CNQX disodium salt
CAS Number: 479347-85-8
IUPAC Name: 6-Cyano-7-nitroquinoxaline-2,3-dione disodium

Description:
More water soluble disodium salt of the AMPA/kainate antagonist CNQX (Cat. No. 0190). Also available as part of the Kainate Receptor Tocriset™.

Physical and Chemical Properties:
Batch Molecular Formula: C₉H₇N₆O₆Na₂.2½H₂O
Batch Molecular Weight: 316.65
Physical Appearance: Orange solid
Minimum Purity: >99%

Storage: Desiccate at RT
Solubility & Usage Info:
water to 20 mM
CAUTION - This product is hygroscopic and we recommend that it is desiccated upon arrival. Solutions should be made up as soon as the vial is opened. This product may take on an orange to red colouration if hydrated. This will not affect product quality.

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: