Product Name: QNZ 46  
Catalog No.: 4801  
Batch No.: 1

CAS Number: 1237744-13-6
IUPAC Name: 4-[6-Methoxy-2-[(1E)-2-(3-nitrophenyl)ethenyl]-4-oxo-3(4H)quinazolinyl]benzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \(C_{24}H_{17}N_{3}O_{6}\cdot\frac{1}{4}H_{2}O\)
Batch Molecular Weight: 447.91
Physical Appearance: Yellow solid
Solubility: DMSO to 10 mM with gentle warming
Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows 98.7% purity
\(^1\)H 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>64.36</td>
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<tr>
<td>Hydrogen</td>
<td>3.94</td>
<td>3.9</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>9.38</td>
<td>9.36</td>
</tr>
</tbody>
</table>
Description:
NR2C/NR2D-selective NMDA receptor non-competitive antagonist (IC50 values are 3, 6, 229, and >300 μM for NR2D, NR2C, NR2A, NR2B, and GluR1, respectively). Requires binding of glutamate to the GluN2 subunit.

Physical and Chemical Properties:
Batch Molecular Formula: C24H17N3O6.1/4H2O
Batch Molecular Weight: 447.91
Physical Appearance: Yellow solid
Minimum Purity: >98%

Storage: Store at RT

Solubility & Usage Info:
DMSO to 10 mM with gentle warming

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: