

QNZ46

## Chemical Properties

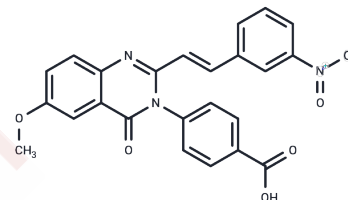
CAS No. : 1237744-13-6

Formula: C<sub>24</sub>H<sub>17</sub>N<sub>3</sub>O<sub>6</sub>

Molecular Weight: 443.41

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	QNZ46 is a non-competitive antagonist of NMDA receptors, selectively targeting NR2C/NR2D subunits.
Targets(IC50)	NMDAR,iGluR
Kinase Assay	Biochemical filter-binding assays for detection of FGFR phosphorylation activities : Reaction mixtures contains 8 mM Tris-HCl (pH 7.5), 10 mmol/L HEPES, 5 mM dithiothreitol, 10 μM ATP, 0.5 μCi 33P-ATP, 10 mM MnCl <sub>2</sub> , 150 mM NaCl, 0.01% Triton X-100, 4% dimethyl sulfoxide, 0.05 mg/mL poly(Glu:Tyr) (4:1, average molecular weight of 20-50 kDa), and 7.5, 7.5, and 16 ng of FGFR1, FGFR3, and FGFR4, respectively, and are incubated at room temperature for 30 minutes followed by termination with 10% H <sub>3</sub> PO <sub>4</sub> . The reaction mixtures are transferred to 96-well MAFB filter plates that are washed 3 times with 0.5% H <sub>3</sub> PO <sub>4</sub> . After air-drying, the plates are read with a Trilux reader.

## Solubility Information

Solubility	DMSO: 4.44 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.2552 mL	11.2762 mL	22.5525 mL
5 mM	0.451 mL	2.2552 mL	4.5105 mL
10 mM	0.2255 mL	1.1276 mL	2.2552 mL
50 mM	0.0451 mL	0.2255 mL	0.451 mL

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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

#### Reference

Hansen KB, et al. J Neurosci. 2011 Mar 9;31(10):3650-3661.

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