

QNZ46

Chemical Properties

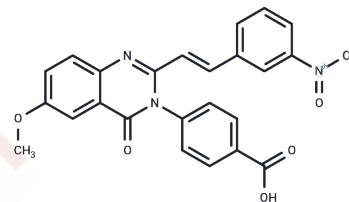
CAS No. : 1237744-13-6

Formula: C₂₄H₁₇N₃O₆

Molecular Weight: 443.41

Appearance: no data available

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



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 ₂ , 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 ₃ PO ₄ . The reaction mixtures are transferred to 96-well MAFB filter plates that are washed 3 times with 0.5% H ₃ PO ₄ . After air-drying, the plates are read with a Trilux reader.

Solubility Information

Solubility	DMSO: 4.43 mg/mL (10 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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

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.

Reference

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

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