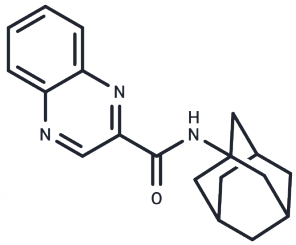
Data Sheet (Cat.No.T8457)

TargetMol

NPS2390

Chemical Properties



CAS No. : 226878-01-9

Formula: C19H21N3O

Molecular Weight: 307.39

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	NPS2390 is a first generation quinoxaline derivative that acts as a noncompetitive antagonist of mGluR1 and mGluR5 (IC50 of 5.2 and 82 nM, respectively)
Targets(IC50)	CaSR,GluR
In vitro	Treatment of NPS2390 was conducive to inhibit the proliferation and reverse phenotypic modulation of PASMCs by regulating autophagy levels.

Solubility Information

Solubility	DMSO: 3.08 mg/mL (10.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2532 mL	16.266 mL	32.532 mL
5 mM	0.6506 mL	3.2532 mL	6.5064 mL
10 mM	0.3253 mL	1.6266 mL	3.2532 mL
50 mM	0.0651 mL	0.3253 mL	0.6506 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.

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

Peng X , Wei C , Li H Z , et al. NPS2390, a Selective Calcium-sensing Receptor Antagonist Controls the Phenotypic Modulation of Hypoxic Human Pulmonary Arterial Smooth Muscle Cells by Regulating Autophagy[J]. Journal of Translational Internal Medicine, 2019, 7(2):59-68.

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