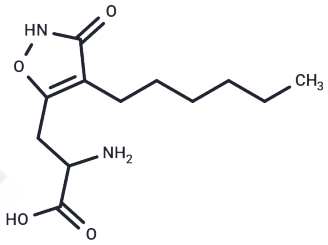
Data Sheet (Cat.No.T22840)

TargetMol

HexylHIBO

Chemical Properties



CAS No. : 334887-43-3

Formula: C12H20N2O4

Molecular Weight: 256.3

Storage: Store at low temperature,Keep away from moisture
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	HexylHIBO is a type I mGluR antagonist that inhibits mGlu1a and mGlu5a, with Kb values of 140 and 110 μM, respectively.HexylHIBO decreases sEPSC in rats.
Targets(IC50)	GluR

Solubility Information

Solubility	1eq. NaOH: 18 mg/mL (70.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9017 mL	19.5084 mL	39.0168 mL
5 mM	0.7803 mL	3.9017 mL	7.8034 mL
10 mM	0.3902 mL	1.9508 mL	3.9017 mL
50 mM	0.078 mL	0.3902 mL	0.7803 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

Hengen P. Purification of His-Tag fusion proteins from Escherichia coli. Trends Biochem Sci. 1995;20(7):285-286.
Madsen U, et al. Synthesis and pharmacology of 3-isoxazolol amino acids as selective antagonists at group I metabotropic glutamic acid receptors. J Med Chem. 2001;44(7):1051-1059.
Bandrowski AE, et al. Baseline glutamate levels affect group I and II mGluRs in layer V pyramidal neurons of rat sensorimotor cortex. J Neurophysiol. 2003;89(3):1308-1316.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481