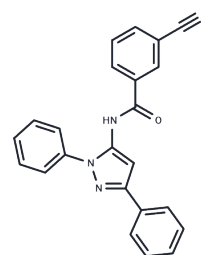


CDPPB

Chemical Properties

CAS No. :	781652-57-1
Formula:	C ₂₃ H ₁₆ N ₄ O
Molecular Weight:	364.4
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	CDPPB is a modulator of mGluR5 positive allosteric (with an EC ₅₀ of 27 nM in Chinese hamster ovary cells expressing human mGluR5).
Targets(IC ₅₀)	ERK, Akt, Caspase, Mitochondrial Metabolism, GluR

Solubility Information

Solubility	DMSO: 3.65 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	2.7442 mL	13.7212 mL	27.4424 mL
5 mM	0.5488 mL	2.7442 mL	5.4885 mL
10 mM	0.2744 mL	1.3721 mL	2.7442 mL
50 mM	0.0549 mL	0.2744 mL	0.5488 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

Kinney GG, et, al. A novel selective positive allosteric modulator of metabotropic glutamate receptor subtype 5 has in vivo activity and antipsychotic-like effects in rat behavioral models. *J Pharmacol Exp Ther.* 2005 Apr; 313(1):199-206.

Li X, Du Z J, Xu J N, et al. mGluR5 in hippocampal CA1 pyramidal neurons mediates stress-induced anxiety-like behavior. *Neuropsychopharmacology.* 2023: 1-11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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