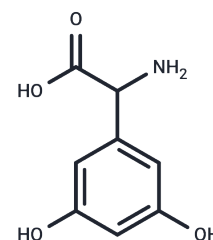


DHPG

Chemical Properties

CAS No. :	146255-66-5
Formula:	C ₈ H ₉ NO ₄
Molecular Weight:	183.16
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	DHPG ((RS)-3,5-DHPG) is an effective antagonist of mGluR linked to phospholipase D. As an amino acid, it serves as a selective and potent agonist for Group I mGluR (mGluR 1 and mGluR 5) without affecting Group II or Group III mGluRs.
Targets(IC50)	GluR

Solubility Information

Solubility	DMSO: 1 mg/mL (5.46 mM),Sonication is recommended. H2O: 1 mg/mL (5.46 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	5.4597 mL	27.2985 mL	54.5971 mL
5 mM	1.0919 mL	5.4597 mL	10.9194 mL
10 mM	0.546 mL	2.7299 mL	5.4597 mL
50 mM	0.1092 mL	0.546 mL	1.0919 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

Winder DG, et al. Metabotropic glutamate receptor (mGluR)-mediated potentiation of cyclic AMP responses does not require phosphoinositide hydrolysis: mediation by a group II-like mGluR. J Neurochem. 1995 Feb;64(2):592-9.
Pellegrini-Giampietro DE, et al. Pharmacological characterization of metabotropic glutamate receptors coupled to phospholipase D in the rat hippocampus. Br J Pharmacol. 1996 Jun;118(4):1035-43.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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