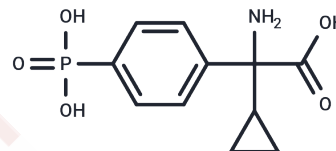


CPPG

Chemical Properties

CAS No. :	183364-82-1
Formula:	C ₁₁ H ₁₄ NO ₅ P
Molecular Weight:	271.21
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	CPPG is a potent antagonist of group II/III mGlu receptors. CPPG exhibits some selectivity (approximately 20 fold) for group III (IC ₅₀ : 2.2 nM) over group II (IC ₅₀ : 46.2 nM) mGlu receptors in the rat cerebral cortex.
Targets(IC ₅₀)	Others, GluR
In vitro	CPPG ((RS)-CPPG) potently reversed L-AP4 (IC ₅₀ : 2.2 nM)- and L-CCG-I (IC ₅₀ : 46.2 nM)-mediated inhibition of forskolin-stimulated cyclic AMP accumulation in adult rat cortical slices, while exhibiting weak effects at group I mGlu receptors in both neonatal rat cortex and cultured cerebellar granule cells.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6872 mL	18.4359 mL	36.8718 mL
5 mM	0.7374 mL	3.6872 mL	7.3744 mL
10 mM	0.3687 mL	1.8436 mL	3.6872 mL
50 mM	0.0737 mL	0.3687 mL	0.7374 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

Toms NJ, et al. The effects of (RS)-alpha-cyclopropyl-4-phosphonophenylglycine ((RS)-CPPG), a potent and selective metabotropic glutamate receptor antagonist. Br J Pharmacol. 1996 Nov;119(5):851-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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