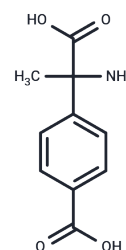


(RS)-MCPG

Chemical Properties

CAS No. :	146669-29-6
Formula:	C ₁₀ H ₁₁ NO ₄
Molecular Weight:	209.2
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	(RS)-MCPG ((±)-MCPG) is a non-selective group I/II metabotropic glutamate receptor antagonist.
Targets(IC50)	GluR

Solubility Information

Solubility	DMSO: 2.75 mg/mL (13.15 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	4.7801 mL	23.9006 mL	47.8011 mL
5 mM	0.956 mL	4.7801 mL	9.5602 mL
10 mM	0.478 mL	2.3901 mL	4.7801 mL
50 mM	0.0956 mL	0.478 mL	0.956 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

- Yang B et al. Regulation of GABA Equilibrium Potential by mGluRs in Rat Hippocampal CA1 Neurons. PLoS One, 2015 Sep 21, 10(9):e20138215.
- Eaton SA et al. Competitive antagonism at metabotropic glutamate receptors by (S)-4-carboxyphenylglycine and (RS)-alpha-methyl-4-carboxyphenylglycine. Eur J Pharmacol. 1993 Jan 15;244(2):195-7.
- Watkins J et al. Phenylglycine derivatives as antagonists of metabotropic glutamate receptors. Trends Pharmacol Sci. 1994 Sep;15(9):333-42.

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