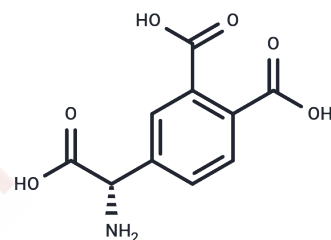


## (S)-3,4-DCPG

## Chemical Properties

CAS No. :	201730-11-2
Formula:	C <sub>10</sub> H <sub>9</sub> NO <sub>6</sub>
Molecular Weight:	239.18
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	(S)-3,4-DCPG ((S)-3,4-Dicarboxyphenylglycine) is a selective agonist of human metabotropic glutamate receptor 8a (mGluR8a).
Targets(IC50)	GluR
In vitro	(S)-3,4-DCPG inhibited forskolin-stimulated cAMP formation in cells expressing mGlu8 with an EC50 value of 0.031 $\mu$ M[1].

## Solubility Information

Solubility	H <sub>2</sub> O: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.181 mL	20.9048 mL	41.8095 mL
5 mM	0.8362 mL	4.181 mL	8.3619 mL
10 mM	0.4181 mL	2.0905 mL	4.181 mL
50 mM	0.0836 mL	0.4181 mL	0.8362 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

Thomas NK, et al. (S)-3,4-DCPG, a potent and selective mGlu8a receptor agonist, activates metabotropic glutamate receptors on primary afferent terminals in the neonatal rat spinal cord. *Neuropharmacology*. 2001 Mar; 40(3):311-8.

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