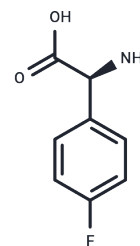


## L-4FPG

## Chemical Properties

CAS No. :	19883-57-9
Formula:	C <sub>8</sub> H <sub>8</sub> FNO <sub>2</sub>
Molecular Weight:	169.15
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	L-4FPG is a Glycine derivative, inhibits the neutral amino acid transporters ASCT1 and ASCT2.
Targets(IC50)	Others,Amino Acids and Derivatives,ASCT

## Solubility Information

Solubility	DMSO: 0.85 mg/mL (5.03 mM),Sonication is recommended. H <sub>2</sub> O: 0.98 mg/mL (5.79 mM),Sonication is recommended. 0.01 M HCl: 8.47 mg/mL (50.07 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	5.9119 mL	29.5596 mL	59.1191 mL
5 mM	1.1824 mL	5.9119 mL	11.8238 mL
10 mM	0.5912 mL	2.956 mL	5.9119 mL
50 mM	0.1182 mL	0.5912 mL	1.1824 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

Li YX, Yang JY, Alcantara M, Abelian G, Kulkarni A, Staubli U, Foster AC. Inhibitors of the Neutral Amino Acid Transporters ASCT1 and ASCT2 Are Effective in In Vivo Models of Schizophrenia and Visual Dysfunction. J Pharmacol Exp Ther. 2018 Nov;367(2):292-301. doi: 10.1124/jpet.118.251116. Epub 2018 Aug 31. PubMed PMID: 30171039.

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