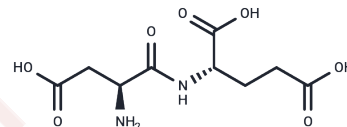


Aspartylglutamate

Chemical Properties

CAS No. :	6157-06-8
Formula:	C ₉ H ₁₄ N ₂ O ₇
Molecular Weight:	262.22
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	Aspartylglutamate is a precursor molecule. When it upon acetylation to N-acetyl-aspartyl-glutamate (NAAG) is used as a metabotropic glutamate mGlu receptor agonist.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8136 mL	19.068 mL	38.1359 mL
5 mM	0.7627 mL	3.8136 mL	7.6272 mL
10 mM	0.3814 mL	1.9068 mL	3.8136 mL
50 mM	0.0763 mL	0.3814 mL	0.7627 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

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- Vavrusova M, Skibsted LH. Calcium binding to dipeptides of aspartate and glutamate in comparison with orthophosphoserine. J Agric Food Chem. 2013 Jun 5;61(22):5380-4. doi: 10.1021/jf400741e. Epub 2013 May 24. PubMed PMID: 23682986.
- Baslow MH, Guilfoyle DN. Canavan disease, a rare early-onset human spongiform leukodystrophy: insights into its genesis and possible clinical interventions. Biochimie. 2013 Apr;95(4):946-56. doi: 10.1016/j.biochi.2012.10.023. Epub 2012 Nov 11. PubMed PMID: 23151389.

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