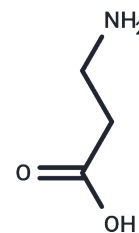


β -Alanine

Chemical Properties

CAS No. :	107-95-9
Formula:	C ₃ H ₇ NO ₂
Molecular Weight:	89.09
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	β -Alanine (3-Aminopropanoic acid) is a naturally occurring beta amino acid formed in vivo by the degradation of dihydrouracil and carnosine. It acts as a neurotransmitter by activating glycine and GABA receptors.
Targets(IC50)	GABA Receptor, Endogenous Metabolite

Solubility Information

Solubility	DMSO: < 10 mM (< means unknown), Sonication is recommended. H ₂ O: 100 mg/mL (1122.46 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	11.2246 mL	56.123 mL	112.246 mL
5 mM	2.2449 mL	11.2246 mL	22.4492 mL
10 mM	1.1225 mL	5.6123 mL	11.2246 mL
50 mM	0.2245 mL	1.1225 mL	2.2449 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

Hill CA, et al. Amino Acids. 2007 Feb;32(2):225-33.

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