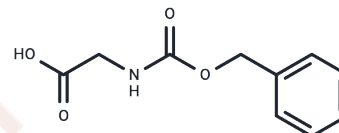


Z-Glycine

Chemical Properties

CAS No. :	1138-80-3
Formula:	C10H11NO4
Molecular Weight:	209.2
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	Z-Glycine (Carbobenzoxyglycine) is a drug-lipid conjugates designed to promote brain penetration based on its lipophilicity and resemblance to lipids in biological membranes [1].
Targets(IC50)	Others,Amino Acids and Derivatives

Solubility Information

Solubility	DMSO: 55 mg/mL (262.91 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

- Lambert DM. Rationale and applications of lipids as prodrug carriers. Eur J Pharm Sci. 2000 Oct;11 Suppl 2:S15-27.
- Lambert DM. Rationale and applications of lipids as prodrug carriers. Eur J Pharm Sci. 2000 Oct;11 Suppl 2:S15-27. Review. PubMed PMID: 11033424.
- Scriba GK, Lambert DM. Synthesis and anticonvulsant activity of N-benzyloxycarbonyl-amino acid prodrugs of phenytoin. J Pharm Pharmacol. 1999 May;51(5):549-53. PubMed PMID: 10411214.
- Sussan S, Dagan A, Bialer M. Pharmacokinetic analysis and anticonvulsant activity of glycine and glycinamide derivatives. Epilepsy Res. 1999 Jan;33(1):11-21. PubMed PMID: 10022362.

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