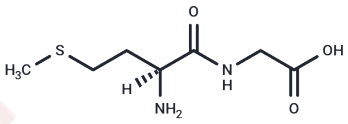
Data Sheet (Cat.No.T20483)

TargetMol

L-Methionylglycine

Chemical Properties



CAS No. : 14486-03-4

Formula: C7H14N2O3S

Molecular Weight: 206.26

Storage: Keep away from moisture
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	L-Methionylglycine is an agent of the dipeptide.
Targets(IC50)	Amino Acids and Derivatives

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8482 mL	24.2412 mL	48.4825 mL
5 mM	0.9696 mL	4.8482 mL	9.6965 mL
10 mM	0.4848 mL	2.4241 mL	4.8482 mL
50 mM	0.097 mL	0.4848 mL	0.9696 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

Kaluderović GN, Schmidt H, Paschke R, Kalinowski B, Dietrich A, Mueller T, Steinborn D. Platinum(II) complexes with l-methionylglycine and l-methionyl-l-leucine ligands: synthesis, characterization and in vitro antitumoral activity. J Inorg Biochem. 2007 Mar;101(3):543-9. Epub 2006 Nov 30. PubMed PMID: 17223197.

McCollum MQ, Webb KE Jr. Glycyl-L-sarcosine absorption across ovine omasal epithelium during coincubation with other peptide substrates and volatile fatty acids. J Anim Sci. 1998 Oct;76(10):2706-11. PubMed PMID: 9814913.

Kino H, Kino K. Alteration of the substrate specificity of l-amino acid ligase and selective synthesis of Met-Gly as a salt taste enhancer. Biosci Biotechnol Biochem. 2015;79(11):1827-32. doi: 10.1080/09168451.2015.1056511. Epub 2015 Jun 19. PubMed PMID: 26088155.

Matthews JC, Webb KE Jr. Absorption of L-carnosine, L-methionine, and L-methionylglycine by isolated sheep ruminal and omasal epithelial tissue. J Anim Sci. 1995 Nov;73(11):3464-75. PubMed PMID: 8586607.

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