

Aviglycine

Chemical Properties

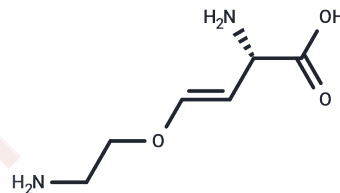
CAS No. : 49669-74-1

Formula: C₆H₁₂N₂O₃

Molecular Weight: 160.17

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	Aviglycine is an antibiotic.
Targets(IC50)	Others,GST

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.2434 mL	31.2168 mL	62.4337 mL
5 mM	1.2487 mL	6.2434 mL	12.4867 mL
10 mM	0.6243 mL	3.1217 mL	6.2434 mL
50 mM	0.1249 mL	0.6243 mL	1.2487 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

Jin JK, Adams DO, Ko Y, Yu CW, Lin CH. Aviglycine and propargylglycine inhibit conidial germination and mycelial growth of *Fusarium oxysporum* f. sp. *luffae*. *Mycopathologia*. 2004 Oct;158(3):369-75. PubMed PMID: 15645176.

Cottrell TE, Wood BW, Ni X. Application of plant growth regulators mitigates chlorotic foliar injury by the black pecan aphid (Hemiptera: Aphididae). *Pest Manag Sci*. 2010 Nov;66(11):1236-42. doi: 10.1002/ps.2000. PubMed PMID: 20715019.

Asimakopoulou A, Panopoulos P, Chasapis CT, Coletta C, Zhou Z, Cirino G, Giannis A, Szabo C, Spyroulias GA, Papapetropoulos A. Selectivity of commonly used pharmacological inhibitors for cystathionine β synthase (CBS) and cystathionine γ lyase (CSE). *Br J Pharmacol*. 2013 Jun;169(4):922-32. doi: 10.1111/bph.12171. PubMed PMID: 23488457; PubMed Central PMCID: PMC3687671.

Zhu C, Yang N, Guo Z, Qian M, Gan L. An ethylene and ROS-dependent pathway is involved in low ammonium-induced root hair elongation in *Arabidopsis* seedlings. *Plant Physiol Biochem*. 2016 Aug;105:37-44. doi: 10.1016/j.plaphy.2016.04.002. Epub 2016 Apr 2. PubMed PMID: 27074220.

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