

Allylglycine

Chemical Properties

CAS No. : 7685-44-1

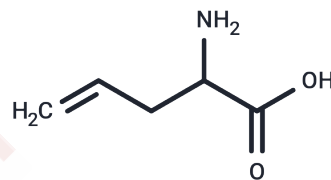
Formula: C₅H₉NO₂

Molecular Weight: 115.13

Keep away from moisture

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	Allylglycine is a glutamate decarboxylase inhibitor and a GAMMA-AMINOBUTYRIC ACID antagonist. It is used to induce convulsions in experimental animals.
Targets(IC50)	Amino Acids and Derivatives

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.6858 mL	43.4292 mL	86.8583 mL
5 mM	1.7372 mL	8.6858 mL	17.3717 mL
10 mM	0.8686 mL	4.3429 mL	8.6858 mL
50 mM	0.1737 mL	0.8686 mL	1.7372 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

- McCormick J, Grunfeld AM, Ertas YN, Biswas AN, Marsh KL, Wagner S, Glöggl S, Bouchard LS. Aqueous Ligand-Stabilized Palladium Nanoparticle Catalysts for Parahydrogen-Induced (¹³C) Hyperpolarization. *Anal Chem*. 2017 Jul 5;89(13):7190-7194. doi: 10.1021/acs.analchem.7b01363. Epub 2017 Jun 20. PubMed PMID: 28590115.
- Pittaway R, Fuentes JA, Clarke ML. Diastereoselective and Branched-Aldehyde-Selective Tandem Hydroformylation-Hemiaminal Formation: Synthesis of Functionalized Piperidines and Amino Alcohols. *Org Lett*. 2017 Jun 2;19(11):2845-2848. doi: 10.1021/acs.orglett.7b01049. Epub 2017 May 17. PubMed PMID: 28514162.
- Vacogne CD, Schopferer M, Schlaad H. Physical Gelation of α -Helical Copolypeptides. *Biomacromolecules*. 2016 Jul 11;17(7):2384-91. doi: 10.1021/acs.biomac.6b00427. Epub 2016 Jun 14. PubMed PMID: 27233111.
- Szwed K, Ou J, Huang G, Lin H, Liu Z, Wang H, Zou H. Preparation of cyclodextrin-modified monolithic hybrid columns for the fast enantioseparation of hydroxy acids in capillary liquid chromatography. *J Sep Sci*. 2016 Mar;39(6):1110-7. doi: 10.1002/jssc.201501157. PubMed PMID: 27027591.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481