

Thiazolylalanine

Chemical Properties

CAS No. :	119433-80-6
Formula:	C ₆ H ₈ N ₂ O ₂ S
Molecular Weight:	172.205
Storage:	Keep away from direct sunlight 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	Thiazolylalanine is an important raw material and intermediate. It is used in organic synthesis, pharmaceuticals, agrochemicals, and dyestuffs.
Targets(IC50)	Others

Solubility Information

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

	1mg	5mg	10mg
1 mM	5.8069 mL	29.0343 mL	58.0686 mL
5 mM	1.1614 mL	5.8069 mL	11.6137 mL
10 mM	0.5807 mL	2.9034 mL	5.8069 mL
50 mM	0.1161 mL	0.5807 mL	1.1614 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

Mennen SM, Blank JT, Tran-Dubé MB, Imbriglio JE, Miller SJ. A peptide-catalyzed asymmetric Stetter reaction. *Chem Commun (Camb)*. 2005 Jan 14;(2):195-7. Epub 2004 Nov 29. PubMed PMID: 15724183.

Mennen SM, Gipson JD, Kim YR, Miller SJ. Thiazolylalanine-derived catalysts for enantioselective intermolecular aldehyde-imine cross-couplings. *J Am Chem Soc*. 2005 Feb 16;127(6):1654-5. PubMed PMID: 15700996.

Heyl DL, Dandabathula M, Kurtz KR, Mousigian C. Opioid receptor binding requirements for the delta-selective peptide deltorphin. I: Phe3 replacement with ring-substituted and heterocyclic amino acids. *J Med Chem*. 1995 Mar 31;38(7):1242-6. PubMed PMID: 7707326.

Hashimoto N, Fujioka T, Hayashi K, Odaguchi K, Toyoda T, Nakamura M, Hirano K. Renin inhibitor: relationship between molecular structure and oral absorption. *Pharm Res*. 1994 Oct;11(10):1443-7. PubMed PMID: 7855049.

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