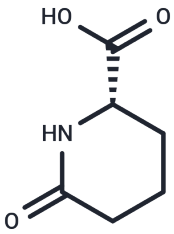
Data Sheet (Cat.No.T36110)

TargetMol

L-Pyrohomoglutamic Acid

Chemical Properties



CAS No. : 34622-39-4

Formula: C6H9NO3

Molecular Weight: 143.14

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	L-Pyrohomoglutamic acid is an amino acid building block.1,2It has been used in the synthesis of ligands for FK506-binding proteins (FKBPs) and histone deacetylase (HDAC) inhibitors.
Targets(IC50)	Others

Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (69.86 mM),Sonication is recommended. Ethanol: 0.2 mg/mL (1.4 mM),Sonication is recommended. DMSO: 1 mg/mL (6.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.9862 mL	34.9308 mL	69.8617 mL
5 mM	1.3972 mL	6.9862 mL	13.9723 mL
10 mM	0.6986 mL	3.4931 mL	6.9862 mL
50 mM	0.1397 mL	0.6986 mL	1.3972 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

Pomplun, S., Wang, Y., Kirschner, A., et al.Rational design and asymmetric synthesis of potent and neurotrophic ligands for FK506-binding proteins (FKBPs)Angew. Chem. Int. Ed.54(1)345-348(2015)

Taddei, M., Cini, E., Giannotti, L., et al.Lactam based 7-amino suberoylamide hydroxamic acids as potent HDAC inhibitorsBioorg. Med. Chem. Lett.24(1)61-64(2014)

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