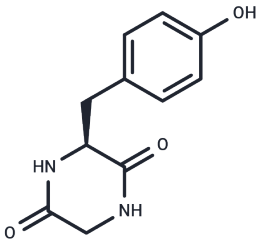
Data Sheet (Cat.No.T40666)

TargetMol

Cyclo(Gly-Tyr)

Chemical Properties



CAS No. : 5845-66-9

Formula: C11H12N2O3

Molecular Weight: 220.22

Storage: Keep away from direct sunlight
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	Cyclo(Gly-Tyr) is a cyclic dipeptide formed from glycine (Gly) and tyrosine (Tyr) linked head-to-tail by peptide bonds, which has unique biological activities and physicochemical properties, and is widely used in the fields of biomedicine, drug discovery and biomaterials science.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 20 mg/mL (90.82 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5409 mL	22.7046 mL	45.4091 mL
5 mM	0.9082 mL	4.5409 mL	9.0818 mL
10 mM	0.4541 mL	2.2705 mL	4.5409 mL
50 mM	0.0908 mL	0.4541 mL	0.9082 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

Takashi Mizuma, et al. Uptake of Cyclic Dipeptide by PEPT1 in Caco-2 Cells: Phenolic Hydroxyl Group of Substrate Enhances Affinity for PEPT1. J Pharm Pharmacol. 2002 Sep;54(9):1293-6.

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