

γ -Glu-Tyr

Chemical Properties

CAS No. : 7432-23-7

Formula: C₁₄H₁₈N₂O₆

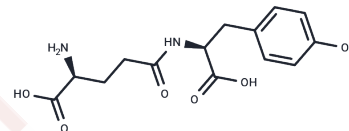
Molecular Weight: 310.3

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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	γ -Glu-Tyr (gamma-Glutamyltyrosine) is a kokumi peptide with competitive inhibition of dipeptidyl peptidase-IV (DPP-IV) and is used in the study of diabetes mellitus.
Targets(IC50)	Others, Proteasome

Solubility Information

Solubility	DMSO: 250 mg/mL (805.67 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (32.23 mM), Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (10.63 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2227 mL	16.1134 mL	32.2269 mL
5 mM	0.6445 mL	3.2227 mL	6.4454 mL
10 mM	0.3223 mL	1.6113 mL	3.2227 mL
50 mM	0.0645 mL	0.3223 mL	0.6445 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

Yang J, et al. γ -Glu-Met synthesised using a bacterial glutaminase as a potential inhibitor of dipeptidyl peptidase IV[J]. International Journal of Food Science & Technology, 2018, 53(5): 1166-1175.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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