

H-Phe-Trp-OH

Chemical Properties

CAS No. :	24587-41-5
Formula:	C ₂₀ H ₂₁ N ₃ O ₃
Molecular Weight:	351.399
Storage:	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	H-Phe-Trp-OH (Phenylalanyland tryptophan) is a small molecular dipeptide compound involved in protein synthesis in the body.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 80.00 mg/mL (227.66 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.30 mg/mL (9.39 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	2.8458 mL	14.2288 mL	28.4576 mL
5 mM	0.5692 mL	2.8458 mL	5.6915 mL
10 mM	0.2846 mL	1.4229 mL	2.8458 mL
50 mM	0.0569 mL	0.2846 mL	0.5692 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

Rizzo V, et al. Co-oligopeptides of aromatic amino acids and glycine with a variable distance between the aromatic residues. VI. Circular dichroism studies of Co-oligopeptides of L-phenylalanine, L-tryptophan, and glycine. Biopolymers. 1977 Feb;16(2):449-60.

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