

H-Tyr-Ala-OH

Chemical Properties

CAS No. : 730-08-5

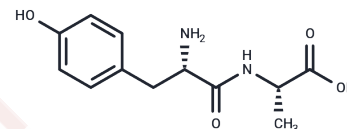
Formula: C₁₂H₁₆N₂O₄

Molecular Weight: 252.27

Keep away from moisture

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	Tyrosylalanine (H-Tyr-Ala-OH), a dipeptide comprising L-tyrosine and L-alanine, is referenced in studies [1] [2].
Targets(IC50)	Others,Amino Acids and Derivatives

Solubility Information

Solubility	H2O: 120 mg/mL (475.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.964 mL	19.820 mL	39.6401 mL
5 mM	0.7928 mL	3.964 mL	7.928 mL
10 mM	0.3964 mL	1.982 mL	3.964 mL
50 mM	0.0793 mL	0.3964 mL	0.7928 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

Bojidarka B Koleva, et al. Spectroscopic and structural elucidation of L-tyrosine-containing dipeptides valyl-tyrosine and tyrosyl-alanine: solid-state IR-LD spectroscopy, quantum chemical calculations and vibrational analysis. Spectrochim Acta A Mol Biomol Spectrosc. 2007 Dec 31;68(5):1187-96.

C Simpkins, et al. A new cytochrome C reducing dipeptide. J Natl Med Assoc. 1990 Feb;82(2):113-6.

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