

H-Gly-Arg-pNA dihydrochloride

Chemical Properties

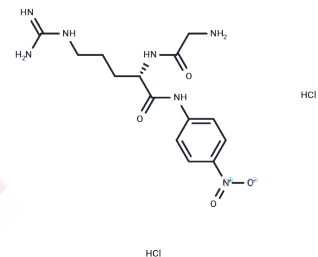
CAS No. : 125455-61-0

Formula: C₁₄H₂₃Cl₂N₇O₄

Molecular Weight: 424.28

Storage: Store at low temperature, Keep away from moisture
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	H-Gly-Arg-pNA dihydrochloride (H-Gly-Arg-Pna 2HCl) belongs to the class of peptides that bind to 1,2 thrombin and can be quantified by colorimetric detection at 405 nm as a measure of thrombin activity.
Targets(IC50)	Thrombin

Solubility Information

Solubility	DMSO: 3 mg/mL (7.07 mM), Sonication is recommended. PBS (pH 7.2): 3 mg/mL (7.07 mM), Sonication is recommended. Methanol: 18 mg/mL (42.42 mM), Sonication is recommended. DMF: 20 mg/mL (47.14 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	2.3569 mL	11.7847 mL	23.5693 mL
5 mM	0.4714 mL	2.3569 mL	4.7139 mL
10 mM	0.2357 mL	1.1785 mL	2.3569 mL
50 mM	0.0471 mL	0.2357 mL	0.4714 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

Ojha M. Ca²⁺-Dependent Protease I from *Allomyces arbuscula*. Biochemical and biophysical research communications. 1996;218(1): 22-29.

Rijkers D T S, et al. A convenient synthesis of amino acid p-nitroanilides; synthons in the synthesis of protease substrates. Tetrahedron. 1995; 51(41): 11235-11250.

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