

Suc-AAPF-pNA

Chemical Properties

CAS No. : 70967-97-4

Formula: C₃₀H₃₆N₆O₉

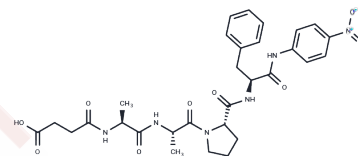
Molecular Weight: 624.64

Keep away from direct sunlight, Keep away from moisture

Storage:

Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Suc-AAPF-pNA (Suc-Ala-Ala-Pro-Phe-pNA) is a substrate chromogen that releases a yellow 4-nitroaniline upon cleavage and is a substrate for many proteases and prostate-specific antigens (PAs), and can be used to identify novel protein hydrolytic activities in yeast mutants.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (128.07 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: 3.3 mg/mL (5.28 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	1.6009 mL	8.0046 mL	16.0092 mL
5 mM	0.3202 mL	1.6009 mL	3.2018 mL
10 mM	0.1601 mL	0.8005 mL	1.6009 mL
50 mM	0.032 mL	0.1601 mL	0.3202 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

Li Z, Roccatano D, Lorenz M, Martinez R, Schwaneberg U. Insights on activity and stability of subtilisin E towards guanidinium chloride and sodium dodecylsulfate. *J Biotechnol.* 2014 Jan;169:87-94.

Thomludi EE, Skagia A, Venieraki A, Katinakis P, Dimou M. Functional analysis of the two cyclophilin isoforms of *Sinorhizobium meliloti*. *World J Microbiol Biotechnol.* 2017 Feb;33(2):28.

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