

MeOSuc-AAPV-pNA

Chemical Properties

CAS No. : 70967-90-7

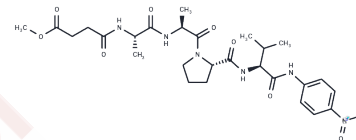
Formula: C27H38N6O9

Molecular Weight: 590.63

Keep away from direct sunlight

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	Proteinase 3 (PR3, myeloblastin) is a polymorphonuclear leukocyte serine proteinase that degrades matrix proteins including fibronectin, laminin, vitronectin, and collagen type IV to generate antimicrobial peptides. Neutrophil elastase is a serine proteinase that is secreted by neutrophils during inflammation to destroy pathogens. Evaluating these enzymes is helpful to understanding inflammatory autoimmune processes. MeOSuc-AAPV-pNA is a highly sensitive peptide substrate that is hydrolyzed by both human and mouse neutrophil elastase and PR3, but not cathepsin G or chymotrypsin. Enzyme activity can be quantified by colorimetric detection of free p-nitroanilide at 405 nm.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 25 mg/mL (42.33 mM),Sonication is recommended. DMSO: 20 mg/mL (33.86 mM),Sonication is recommended. PBS (pH 7.2): 25 mg/mL (42.33 mM),Sonication is recommended. DMF: 2 mg/mL (3.39 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	1.6931 mL	8.4655 mL	16.9311 mL
5 mM	0.3386 mL	1.6931 mL	3.3862 mL
10 mM	0.1693 mL	0.8466 mL	1.6931 mL
50 mM	0.0339 mL	0.1693 mL	0.3386 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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