

Histatin 5 (TFA)(115966-68-2,free)

Chemical Properties

CAS No. :

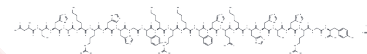
Formula: C135H196F3N51O35

Molecular Weight: 3150.32

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	Histatin 5 (TFA)(115966-68-2,free) (Histatin 5 (TFA)) inhibits the activity of the host matrix metalloproteinases MMP-2 and MMP-9 with IC50s of 0.57 and 0.25 μ M, respectively.
Targets(IC50)	MMP

Solubility Information

Solubility	DMSO: 10 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3174 mL	1.5871 mL	3.1743 mL
5 mM	0.0635 mL	0.3174 mL	0.6349 mL
10 mM	0.0317 mL	0.1587 mL	0.3174 mL
50 mM	0.0063 mL	0.0317 mL	0.0635 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

Gusman H, et al. Salivary histatin 5 is an inhibitor of both host and bacterial enzymes implicated in periodontaldisease. Infect Immun. 2001 Mar;69(3):1402-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481