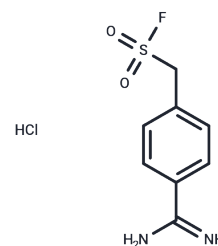


p-APMSF (hydrochloride)

Chemical Properties

CAS No. :	74938-88-8
Formula:	C ₈ H ₁₀ ClFN ₂ O ₂ S
Molecular Weight:	252.69
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	p-APMSF is an irreversible inhibitor of serine proteases with K_i values of 1.02, 1.18, 1.5, and 1.54 μM for bovine trypsin, human thrombin, bovine plasmin, and bovine Factor Xa, respectively. It is selective for these proteases over bovine chymotrypsin and acetylcholinesterase.
Targets(IC ₅₀)	Others,Thrombin

Solubility Information

Solubility	DMSO: 50 mg/mL (197.87 mM),Sonication is recommended. H ₂ O: 25 mg/mL (98.94 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9574 mL	19.7871 mL	39.5742 mL
5 mM	0.7915 mL	3.9574 mL	7.9148 mL
10 mM	0.3957 mL	1.9787 mL	3.9574 mL
50 mM	0.0791 mL	0.3957 mL	0.7915 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

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