

Compstatin TFA

Chemical Properties

CAS No. :

Formula: C₆₈H₁₀₀F₃N₂₃O₁₉S₂

Molecular Weight: 1664.79

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	Compstatin TFA, a potent inhibitor of the complement system C3 characterized by species specificity, is a 13-residue cyclic peptide. It selectively binds to baboon C3 and demonstrates resistance to proteolytic cleavage in baboon blood (similar to humans), effectively inhibiting the activation of the primate complement system. Notably, Compstatin TFA exhibits IC ₅₀ values of 63 μM and 12 μM for the classical and alternative complement pathways, respectively [1] [2] [3].
Targets(IC ₅₀)	Complement System

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6007 mL	3.0034 mL	6.0068 mL
5 mM	0.1201 mL	0.6007 mL	1.2014 mL
10 mM	0.0601 mL	0.3003 mL	0.6007 mL
50 mM	0.012 mL	0.0601 mL	0.1201 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

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