

C3a (70-77) (TFA)

Chemical Properties

CAS No. :

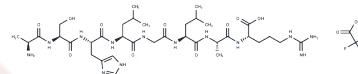
Formula: C37H62F3N13O12

Molecular Weight: 937.96

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	C3a (70-77) (TFA) (Complement 3a (70-77) TFA) is an octapeptide derived from the COOH-terminus of Complement 3a, exhibiting 1-2% C3a biological activity.
Targets(IC50)	Complement System
In vitro	The generation of LIF activity was inhibited by 50% by 10(-8) M C3a or C3a (70-77) (TFA) with PHA or Con A as the stimulus, whereas a more than 10-fold higher concentration of C3a (70-77) (TFA) than C3a was required to achieve the same level of suppression with SK-SD as the stimulus [1].

Solubility Information

Solubility	H2O: 80 mg/mL (85.29 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0661 mL	5.3307 mL	10.6614 mL
5 mM	0.2132 mL	1.0661 mL	2.1323 mL
10 mM	0.1066 mL	0.5331 mL	1.0661 mL
50 mM	0.0213 mL	0.1066 mL	0.2132 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

Payan DG, et al. Modulation of human lymphocyte function by C3a and C3a(70-77). J Exp Med. 1982 Sep 1;156(3):756-65.

Caporale LH, et al. The active site of C3a anaphylatoxin. J Biol Chem. 1980 Nov 25;255(22):10758-63.

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