

E70K TFA

Chemical Properties

CAS No. :

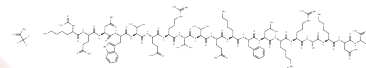
Formula: C108H178N34O28.XCF3COOH

Molecular Weight: 2400.80

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	E70K is a compound that inhibits the interaction between the chemokine (C-X-C) ligand 8 (CXCL8) and glycosaminoglycans (GAGs) on cell membrane surfaces. It mimics a segment of the CXCL8 protein's GAG-binding region at the C-terminal end, incorporating a glutamate-to-lysine mutation at the 70th position. At a concentration of 50 nM, E70K notably reduces the attachment of primary human neutrophils to human umbilical vein endothelial cells (HUVECs). Moreover, it impedes the CXCL8-triggered movement of these neutrophils across HMEC-1 human microvascular endothelial cell layers within a concentration range of 1 to 1,000 nM.
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Solubility Information

Solubility	PBS pH 7.2: 2 mg/mL (0.83 mM), Sonication is recommended. DMSO: 10 mg/mL (4.17 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	0.4165 mL	2.0826 mL	4.1653 mL
5 mM	0.0833 mL	0.4165 mL	0.8331 mL
10 mM	0.0417 mL	0.2083 mL	0.4165 mL
50 mM	0.0083 mL	0.0417 mL	0.0833 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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