

ELA-32(human) TFA

Chemical Properties

CAS No. :

Formula: C172H290F3N63O41S4

Molecular Weight: 4081.84

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	ELA-32(human) TFA is a potent apelin receptor agonist with high affinity, demonstrating an IC50 of 0.27 nM and a Kd of 0.51 nM. This compound does not bind to GPR15 or GPR25. It activates the PI3K/AKT signaling pathway, facilitating self-renewal of human embryonic stem cells (hESCs) through cell-cycle progression and protein synthesis. Additionally, ELA-32(human) TFA enhances the TGFβ pathway, predisposing hESCs towards an endoderm lineage, and promotes angiogenesis in HUVEC cells.
Targets(IC50)	Apelin receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.245 mL	1.2249 mL	2.4499 mL
5 mM	0.049 mL	0.245 mL	0.490 mL
10 mM	0.0245 mL	0.1225 mL	0.245 mL
50 mM	0.0049 mL	0.0245 mL	0.049 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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