

PCSK9-IN-30

Chemical Properties

CAS No. :

Formula: C30H33N5O2

Molecular Weight: 495.62

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	PCSK9-IN-30 (Compound 3f), a PCSK9 inhibitor, effectively targets a cryptic binding groove on PCSK9, thereby preventing PCSK9 from associating with the low-density lipoprotein receptor (LDLR) (IC 50 = 537 nM). This inhibition aids in the restoration of low-density lipoprotein (LDL) uptake by liver cells and significantly reduces plasma cholesterol levels. Demonstrating good bioavailability in mice, PCSK9-IN-30 holds potential for research within cardiovascular disease contexts.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0177 mL	10.0884 mL	20.1767 mL
5 mM	0.4035 mL	2.0177 mL	4.0353 mL
10 mM	0.2018 mL	1.0088 mL	2.0177 mL
50 mM	0.0404 mL	0.2018 mL	0.4035 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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