

PF-06446846

Chemical Properties

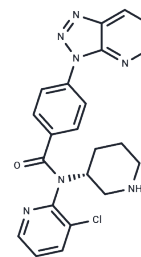
CAS No. : 1632250-49-7

Formula: C₂₂H₂₀ClN₇O

Molecular Weight: 433.89

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	PF 06446846 is a potent and selective PCSK9 inhibitor
Targets(IC50)	Others
In vivo	PF-06446846 reduces plasma PCSK9 and total cholesterol levels in rats following oral dosing. PF-06446846 is highly selective for the inhibition of PCSK9 translation. The mechanism of action employed by PF-06446846 reveals a previously unexpected tunability of the human ribosome that allows small molecules to specifically block translation of individual transcripts.

Solubility Information

Solubility	DMSO: 4.34 mg/mL (10 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	2.3047 mL	11.5237 mL	23.0473 mL
5 mM	0.4609 mL	2.3047 mL	4.6095 mL
10 mM	0.2305 mL	1.1524 mL	2.3047 mL
50 mM	0.0461 mL	0.2305 mL	0.4609 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

Lintner N G , McClure K F , Donna P , et al. Selective stalling of human translation through small-molecule engagement of the ribosome nascent chain[J]. PLoS Biology, 2017, 15(3):e2001882-.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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