

SBC-115076

Chemical Properties

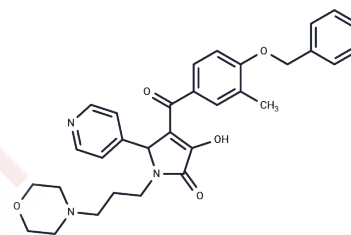
CAS No. : 489415-96-5

Formula: C₃₁H₃₃N₃O₅

Molecular Weight: 527.61

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	SBC-115076 is a potent extracellular proprotein convertase subtilisin kexin type 9 (PCSK9) antagonist.
Targets(IC50)	Others,Serine/threonin kinase
In vitro	In HepG2 cells, SBC-115076 increases the uptake of Fluorescent Dil-LDL. [1]
In vivo	In mice that are fed high fat diet, SBC-115076 (8 mg/kg) lowers cholesterol levels by 32%. [1]

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 25.85 mg/mL (48.99 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.79 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8953 mL	9.4767 mL	18.9534 mL
5 mM	0.3791 mL	1.8953 mL	3.7907 mL
10 mM	0.1895 mL	0.9477 mL	1.8953 mL
50 mM	0.0379 mL	0.1895 mL	0.3791 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

Abdel-Meguid SS, et al. WO2014150326 A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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