

SBC-115337

Chemical Properties

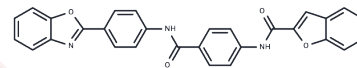
CAS No. : 423148-46-3

Formula: C₂₉H₁₉N₃O₄

Molecular Weight: 473.48

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-115337 is a PCSK9 inhibitor.
Targets(IC50)	Others,Serine/threonin kinase
In vitro	The potent compound (SBC-115,337) demonstrated an IC ₅₀ of 0.6 μM in an in vitro ELISA assay for monitoring PCSK9 binding to recombinant LDLR. All tested compounds did not affect PCSK9 synthesis, processing, or secretion. At 1.2 μM, SBC-115,337 induced more than tenfold upregulation of LDLR in HepG2 cells, increased uptake of fluorescently labeled Dil-LDL, and lowered LDL-c levels in mice on a high-fat diet.[1]

Solubility Information

Solubility	DMSO: 10 mg/mL (21.12 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	2.112 mL	10.5601 mL	21.1202 mL
5 mM	0.4224 mL	2.112 mL	4.224 mL
10 mM	0.2112 mL	1.056 mL	2.112 mL
50 mM	0.0422 mL	0.2112 mL	0.4224 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

Lavecchia A , Cerchia C . Recent advances in developing PCSK9 inhibitors for lipid-lowering therapy[J]. Future medicinal chemistry, 2019, 11(5):423-441.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481