Data Sheet (Cat.No.T9276)

TargetMol
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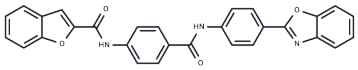
SBC-115337

Chemical Properties



CAS No. : 423148-46-3

Formula: C29H19N3O4

Molecular Weight: 473.48

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	SBC-115337 is a PCSK9 inhibitor.
Targets(IC50)	Others,Serine/threonin kinase
In vitro	The potent compound (SBC-115,337) showed an IC50 of 0.6 μM measured in an in vitro ELISA assay to monitor the effect of PCSK9 binding to the recombinant LDLR. All the investigated compounds exhibited no effect on the synthesis, processing and secretion of PCSK9. Compound SBC-115,337 at 1.2 μM induced more than tenfold upregulation of LDLR in HepG2 cells with respect to the control, increased uptake of fluorescently labeled DiI-LDL and lowered LDL-c levels in mice fed a high-fat diet.[1]

Solubility Information

Solubility	DMSO: 6 mg/mL (12.67 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

Reference

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

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