

R-IMPP

Chemical Properties

CAS No. : 2133832-83-2

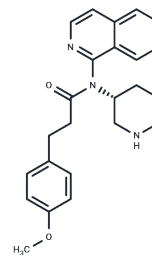
Formula: C₂₄H₂₇N₃O₂

Molecular Weight: 389.49

Store at low temperature

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

Actual storage temperature shall be subject to the COA.



Biological Description

Description	R-IMPP is an inhibitor of PCSK9 translation. R-IMPP stimulates uptake of LDL-C in hepatoma cells by increasing LDL-R levels, without altering levels of secreted transferrin.
Targets(IC50)	Others,Serine/threonin kinase

Solubility Information

Solubility	DMSO: 70 mg/mL (179.72 mM),Sonication is recommended. (< 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 (5.13 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	2.5675 mL	12.8373 mL	25.6746 mL
5 mM	0.5135 mL	2.5675 mL	5.1349 mL
10 mM	0.2567 mL	1.2837 mL	2.5675 mL
50 mM	0.0513 mL	0.2567 mL	0.5135 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

Petersen DN., et al. A Small-Molecule Anti-secretagogue of PCSK9 Targets the 80S Ribosome to Inhibit PCSK9 Protein Translation. Cell Chem Biol. 2016 Nov 17;23(11):1362-1371.

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