

## R-IMPP

## Chemical Properties

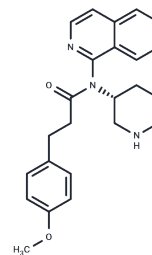
CAS No. : 2133832-83-2

Formula: C<sub>24</sub>H<sub>27</sub>N<sub>3</sub>O<sub>2</sub>

Molecular Weight: 389.49

Appearance: no data available

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



## 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)	Serine/threonine 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)
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## 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.

## 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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