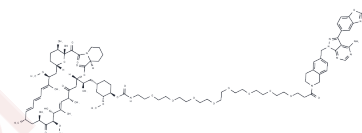


(32-Carbonyl)-RMC-5552

Chemical Properties

CAS No. : 2382768-55-8
 Formula: C93H134N10O24
 Molecular Weight: 1776.141
 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	(32-Carbonyl)-RMC-5552 is a highly effective mTOR inhibitor, inhibiting both mTORC1 and mTORC2 substrate phosphorylation. It significantly suppresses the phosphorylation of p-P70S6K-(T389), p-4E-BP1-(T37/36), and p-AKT1/2/3-(S473) with pIC50 values >9, >9, and 8~9, respectively.
Targets(IC50)	Others,mTOR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.563 mL	2.8151 mL	5.6302 mL
5 mM	0.1126 mL	0.563 mL	1.126 mL
10 mM	0.0563 mL	0.2815 mL	0.563 mL
50 mM	0.0113 mL	0.0563 mL	0.1126 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

Jennifer PITZEN, et al. C40-, c28-, and c-32-linked rapamycin analogs as mtor inhibitors. WO2019212990A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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