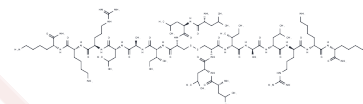


D-CopA3

Chemical Properties

CAS No. :	1426227-11-3
Formula:	C96H184N30O18S2
Molecular Weight:	2110.81
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	D-CopA3 is an inhibitor of MDM2 and an activator of the p53 signaling pathway. It exhibits cytotoxicity in colorectal cancer cells HCT-116, LoVo, and RKO with IC50 values of 15-18 μ M and induces JNK/Beclin-1 mediated autophagy. D-CopA3 downregulates the expression of the cell cycle inhibitor protein p21Cip1/Waf1, enhances mucosal barrier function, and reduces infiltration of inflammatory mediators. It shows anti-inflammatory properties in mouse models of acute enteritis induced by C. difficile toxin A and chronic colitis induced by DSS. Additionally, D-CopA3 demonstrates antitumor activity in a mouse HCT-116 xenograft model.
Targets(IC50)	Autophagy,MDM-2/p53

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4738 mL	2.3688 mL	4.7375 mL
5 mM	0.0948 mL	0.4738 mL	0.9475 mL
10 mM	0.0474 mL	0.2369 mL	0.4738 mL
50 mM	0.0095 mL	0.0474 mL	0.0948 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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