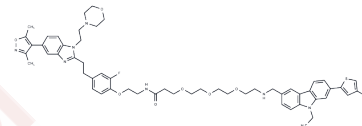


MS182

Chemical Properties

CAS No. : 3034773-62-8
 Formula: C57H68FN7O7S
 Molecular Weight: 1014.26
 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	MS182 (compound 11), an acetylation targeting chimera (AceTAC), incorporates p53 Y220C stabilizers with p300/CBP binders, connected via a linker. This design enables MS182 to selectively form a ternary complex with p300/CBP acetyltransferase and the mutant p53 Y220C, subsequently catalyzing specific acetylation of lysine at position 382 in a time- and concentration-dependent manner, achieving an ACE 50 of 1.52 μ M. Additionally, MS182 demonstrated significant bioavailability in mice, with GI 50 values recorded at 2.16 μ M for BxPC3 (p53 Y220C/-) and 1.83 μ M for NUGC3 (p53 Y220C/+).
Targets(IC50)	MDM-2/p53

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9859 mL	4.9297 mL	9.8594 mL
5 mM	0.1972 mL	0.9859 mL	1.9719 mL
10 mM	0.0986 mL	0.493 mL	0.9859 mL
50 mM	0.0197 mL	0.0986 mL	0.1972 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.

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