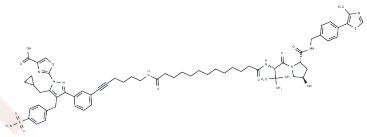
Data Sheet (Cat.No.T81747)

TargetMol

MS6105

Chemical Properties



CAS No. : 2891709-58-1

Formula: C65H81N9O9S3

Molecular Weight: 1228.59

Storage: Keep away from direct sunlight
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	MS6105 is a chimeric LDH protein hydrolysis-targeted PROTAC that degrades LDHA and LDHB efficiently, with its activity contingent on both time and the ubiquitin-proteasome system, exhibiting anticancer properties [1]. Additionally, as a click chemistry reagent possessing an Alkyne group, MS6105 can partake in copper-catalyzed azide-alkyne cycloaddition (CuAAc) reactions with Azide-bearing molecules.
Targets(IC50)	PROTACs
In vitro	MS6105 (compound 22), when administered at concentrations ranging from 10 nM to 10 μM over 48 hours, effectively induces time- and concentration-dependent degradation of LDHA and LDHB in PANC1 cells, exhibiting DC50 values of 38 nM for LDHA and 74 nM for LDHB, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8139 mL	4.0697 mL	8.1394 mL
5 mM	0.1628 mL	0.8139 mL	1.6279 mL
10 mM	0.0814 mL	0.407 mL	0.8139 mL
50 mM	0.0163 mL	0.0814 mL	0.1628 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481