Data Sheet (Cat.No.T18222)

TargetMol

m-PEG8-O-alkyne

Chemical Properties

CAS No. : 880081-81-2

Formula: C20H38O9

Molecular Weight: 422.51

Storage: Keep away from direct sunlight
Pure form: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	m-PEG8-O-alkyne is a PEG-based PROTAC linker utilized in the synthesis of PROTACs (proteolysis-targeting chimeras).
Targets(IC50)	PROTAC Linker
In vitro	PROTACs, comprising two different ligands connected by a linker, bind an E3 ubiquitin ligase and a target protein, utilizing the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3668 mL	11.834 mL	23.6681 mL
5 mM	0.4734 mL	2.3668 mL	4.7336 mL
10 mM	0.2367 mL	1.1834 mL	2.3668 mL
50 mM	0.0473 mL	0.2367 mL	0.4734 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562.

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