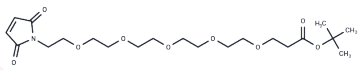
Data Sheet (Cat.No.T18295)

TargetMol

Mal-PEG5-Boc

Chemical Properties



CAS No. : 2250216-91-0

Formula: C21H35NO9

Molecular Weight: 445.5

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	Mal-PEG5-Boc (Mal-PEG5-COOtBu) is a PEG-based PROTAC linker. Mal-PEG5-Boc can be used in the synthesis of PROTACs.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two ligands joined by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the protein of interest. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2447 mL	11.2233 mL	22.4467 mL
5 mM	0.4489 mL	2.2447 mL	4.4893 mL
10 mM	0.2245 mL	1.1223 mL	2.2447 mL
50 mM	0.0449 mL	0.2245 mL	0.4489 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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