

## Mal-PEG6-Boc

## Chemical Properties

CAS No. : 518044-37-6

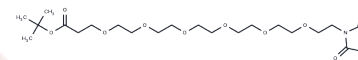
Formula: C<sub>23</sub>H<sub>39</sub>N<sub>10</sub>O<sub>10</sub>

Molecular Weight: 489.56

Keep away from direct sunlight

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	Mal-PEG6-Boc, a PEG-based linker for PROTACs, joins two essential ligands crucial for forming PROTAC molecules and enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs leverage the intracellular ubiquitin-proteasome system by using a bifunctional molecule that includes two ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other targets a specific protein, thereby facilitating the selective degradation of target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0427 mL	10.2133 mL	20.4265 mL
5 mM	0.4085 mL	2.0427 mL	4.0853 mL
10 mM	0.2043 mL	1.0213 mL	2.0427 mL
50 mM	0.0409 mL	0.2043 mL	0.4085 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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