

## Mal-amido-PEG8-NHS ester

## Chemical Properties

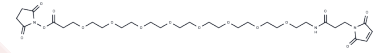
CAS No. : 756525-93-6

Formula: C30H47N3O15

Molecular Weight: 689.71

Storage: Keep away from moisture, Store at low temperature  
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-amido-PEG8-NHS ester, a PEG-based PROTAC linker, is utilized in the synthesis of PROTACs.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs comprise two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the protein of interest. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Solubility Information

Solubility	DMSO: 250 mg/mL (362.47 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (2.9 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.4499 mL	7.2494 mL	14.4988 mL
5 mM	0.290 mL	1.4499 mL	2.8998 mL
10 mM	0.145 mL	0.7249 mL	1.4499 mL
50 mM	0.029 mL	0.145 mL	0.290 mL

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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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