

Mal-PEG4-NHS ester

Chemical Properties

CAS No. :	1325208-25-0
Formula:	C19H26N2O10
Molecular Weight:	442.417
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-PEG4-NHS ester is a noncleavable ADC linker with a Maleimide group, a 4-unit PEG, and an NHS ester.
Targets(IC50)	ADC Linker, PROTAC Linker

Solubility Information

Solubility	DMSO: 250.00 mg/mL (565.08 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10.00 mg/mL (22.60 mM), Solution. 10% DMSO+90% Corn Oil: 3.30 mg/mL (7.46 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

	1mg	5mg	10mg
1 mM	2.2603 mL	11.3015 mL	22.603 mL
5 mM	0.4521 mL	2.2603 mL	4.5206 mL
10 mM	0.226 mL	1.1301 mL	2.2603 mL
50 mM	0.0452 mL	0.226 mL	0.4521 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

George W, et al. N-1 branched imidazoquinolines, conjugates thereof, and methods:WO2022008995A1.

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