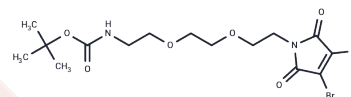


3,4-Dibromo-Mal-PEG2-N-Boc

Chemical Properties

CAS No. :	1807537-43-4
Formula:	C15H22Br2N2O6
Molecular Weight:	486.15
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	3,4-Dibromo-Mal-PEG2-N-Boc is a PEGylated PROTAC linker that enables conjugation between target-binding ligands and E3 ligase ligands during PROTAC assembly. 3,4-Dibromo-Mal-PEG2-N-Boc supports the design of heterobifunctional degraders that exploit the ubiquitin-proteasome system for selective protein degradation.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs are compounds that consist of two distinct ligands connected by a linker: one ligand binds to an E3 ubiquitin ligase, and the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade the target proteins[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (164.56 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.057 mL	10.2849 mL	20.5698 mL
5 mM	0.4114 mL	2.057 mL	4.114 mL
10 mM	0.2057 mL	1.0285 mL	2.057 mL
50 mM	0.0411 mL	0.2057 mL	0.4114 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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