Mal-Amido-PEG4-Boc

Cat. No.: HY-140967

CAS No.: 1415800-35-9

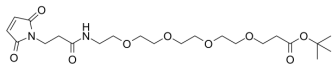
Molecular Formula: $C_{22}H_{36}N_2O_9$

Molecular Weight: 472.53

Target: PROTAC Linkers

Pathway: PROTAC

Storage: 4°C, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 200 mg/mL (423.25 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.1163 mL	10.5813 mL	21.1627 mL
	5 mM	0.4233 mL	2.1163 mL	4.2325 mL
	10 mM	0.2116 mL	1.0581 mL	2.1163 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	Mal-Amido-PEG4-Boc is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].	
IC_{50} & Target	PEGs	Alkyl/ether
In Vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. 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

Caution: Product has not been fully validated for medical applications. For research use only.

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