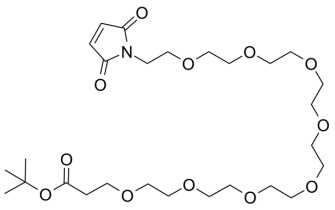
Mal-PEG8-Boc

Cat. No.:	HY-133212
CAS No.:	2055048-43-4
Molecular Formula:	$C_{27}H_{47}NO_{12}$
Molecular Weight:	577.66
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (173.11 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7311 mL	8.6556 mL	17.3112 mL
	5 mM	0.3462 mL	1.7311 mL	3.4622 mL
	10 mM	0.1731 mL	0.8656 mL	1.7311 mL

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

BIOLOGICAL ACTIVITY

Description	Mal-PEG8-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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