NH-bis(C1-PEG1-Boc)

Cat. No.: HY-140252

CAS No.: 2171072-53-8

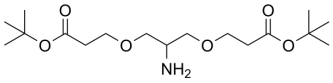
Molecular Formula: $C_{17}H_{33}NO_6$

Molecular Weight: 347.45

Target: PROTAC Linkers

Pathway: PROTAC

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (287.81 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.8781 mL	14.3906 mL	28.7811 mL
	5 mM	0.5756 mL	2.8781 mL	5.7562 mL
	10 mM	0.2878 mL	1.4391 mL	2.8781 mL

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

BIOLOGICAL ACTIVITY

Description

NH-bis(C1-PEG1-Boc) is an alkyl/ether-based PROTAC linker that can be used in the synthesis of PROTACs[1].

IC_{50} & Target

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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