Boc-C1-PEG3-C4-OH

Cat. No.: HY-130618

CAS No.: 2376724-97-7

Molecular Formula: $C_{16}H_{32}O_6$

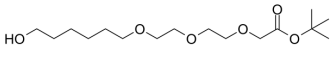
Molecular Weight: 320.42

Target: PROTAC Linkers

Pathway: PROTAC

Storage:

Pure form	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (156.05 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.1209 mL	15.6045 mL	31.2090 mL
	5 mM	0.6242 mL	3.1209 mL	6.2418 mL
	10 mM	0.3121 mL	1.5605 mL	3.1209 mL

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

BIOLOGICAL ACTIVITY

Description

Boc-C1-PEG3-C4-OH is a PROTAC linker, which refers to the Alkyl/ether composition. Boc-C1-PEG3-C4-OH can be used in the synthesis of a series of PROTACs. 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].

IC_{50} & Target

Alkyl/ether

REFERENCES

[1]. Tovell H, et al. Design and Characterization of SGK3-PROTAC1, an Isoform Specific SGK3 Kinase PROTAC Degrader. ACS Chem Biol. 2019 Sep 20;14(9):2024-2034.

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

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