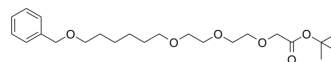


## Boc-C1-PEG3-C4-OBn

Cat. No.:	HY-130619		
CAS No.:	2381196-81-0		
Molecular Formula:	C <sub>23</sub> H <sub>38</sub> O <sub>6</sub>		
Molecular Weight:	410.54		
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 : 100 mg/mL (243.58 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4358 mL	12.1791 mL	24.3582 mL
	5 mM	0.4872 mL	2.4358 mL	4.8716 mL
	10 mM	0.2436 mL	1.2179 mL	2.4358 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Boc-C1-PEG3-C4-OBn (PROTAC Linker 15) is a PROTAC linker, which refers to the PEG composition. Boc-C1-PEG3-C4-OBn can be used in the synthesis of a series of PROTACs, such as PROTAC SGK3 degrader-1 (HY-125878). 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<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

PEGs 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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA