Bromo-PEG3-CH2-Boc

Cat. No.: HY-141372

CAS No.: 2100306-71-4

Molecular Formula: $C_{12}H_{23}BrO_5$

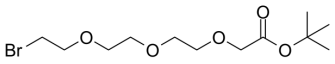
Molecular Weight: 327.21

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 (305.61 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.0561 mL	15.2807 mL	30.5614 mL
	5 mM	0.6112 mL	3.0561 mL	6.1123 mL
	10 mM	0.3056 mL	1.5281 mL	3.0561 mL

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

BIOLOGICAL ACTIVITY

Description

Bromo-PEG3-CH2-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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA