Boc-C1-PEG2-C4-Cl

Cat. No.: HY-108371

CAS No.: 1835705-53-7

Molecular Formula: $C_{14}H_{27}ClO_4$

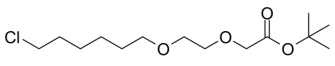
Molecular Weight: 294.81

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 (169.60 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.3920 mL	16.9601 mL	33.9202 mL
5 mM	0.6784 mL	3.3920 mL	6.7840 mL
10 mM	0.3392 mL	1.6960 mL	3.3920 mL

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

BIOLOGICAL ACTIVITY

Description

Boc-C1-PEG2-C4-Cl (PROTAC Linker 1) is a PEG-based PROTAC linker can be used in the synthesis of PROTACs[1].

IC_{50} & Target		
	PEGs	Alkyl/ether

In Vitro

PROTAC technology employs small molecules that recruit target proteins for ubiquitination and removal by the proteasome. The synthesis of PROTAC compounds that mediate the degradation of c-ABL and BCR-ABL by recruiting either Cereblon or Von Hippel Lindau E3 ligases is reported. Boc-C1-PEG2-C4-Cl is designated as 6-2-2[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lai AC, et al. Modular PROTAC Design for the Degradation of Oncogenic BCR-ABL. Angew Chem Int Ed Engl. 2016 Jan 11;55(2):807-10.

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