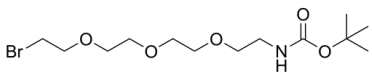
Data Sheet

Product Name:	N-Boc-PEG4-bromide
Cat. No.:	CS-0068003
CAS No.:	1076199-21-7
Molecular Formula:	$C_{13}H_{26}BrNO_5$
Molecular Weight:	356.25
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Solubility:	DMSO : 100 mg/mL (280.70 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

N-Boc-PEG4-bromide is a PEG/Alkyl/ether-based **PROTAC linker** can be used in the synthesis of PROTACs. N-Boc-PEG4-bromide is a cleavable **ADC linker** used in the synthesis of antibody-drug conjugates (ADCs)[1]. ***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.
ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker.

References:

[1]. Jan Anderl, et al. Amatoxin-Conjugates with Improved Linkers. US20130259880A1

CAIndexNames:

5,8,11-Trioxa-2-azatridecanoic acid, 13-bromo-, 1,1-dimethylethyl ester

SMILES:

O=C(OC(C)(C)C)NCCOCCOCCOCCBr

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