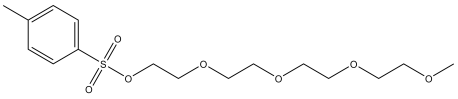
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Amine/Azide PEG reagent, *t*-Boc-aminooxy-PEG4-azide, Purity 98%



Cat. No.: X24-09-YYX341

Size: 100 mg; 250 mg; 500 mg

CAS Number: 2100306-64-5

PubChem CID: 126480403

Synonym: 2100306-64-5; *t*-Boc-Aminooxy-PEG4-azide; Boc-Aminooxy-PEG4-azide

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	*t*-Boc-aminooxy-PEG4-azide is a reagent designed for click chemistryfeaturing a *t*-Boc-aminooxy group. Its azide functionality can react with alkynes such as BCN or DBCO through click chemistry processes to yield stable triazole linkages. The protected aminooxy group can be deprotected under mild acidic conditions, and the hydrophilic PEG spacer increases solubility in aqueous environments.
Molecular Weight	378.4
Molecular Formula	$C_{15}H_{30}N_4O_7$
Functional Group 1	Boc
Functional Group 2	Amine
Functional Group 3	Azide
Reactive Group 1	Acid
Reactive Group 2	Alkynyl
IUPAC Name	*tert*-butyl *N*-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]carbamate
InChI	InChI=1S/C15H30N4O7/c1-15(2,3)26-14(20)18-25-13-12-24-11-10-23-9-8-22-7-6-21-5-4-17-19-16/h4-13H2,1-3H3,(H,18,20)
InChI Key	RIZQRNYLIDPPFQ-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)NOCCOCCOCCOCCOCCN=[N+]=[N-]
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	In the field of drug discovery and development, this compound can be used to modify drug molecules. The *t*-Boc group offers protection during synthesis, and the aminooxy and azide functionalities allow for conjugation with other molecules to improve the pharmacokinetic and pharmacodynamic properties of the drug.

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Storage	Store at -20°C.