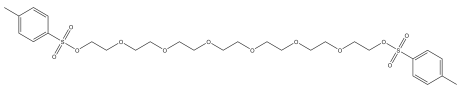
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Azide PEG reagent, Azido-PEG3-$(CH_2)_3$OH, Purity 90%



Cat. No.: X24-09-YYX376

Size: 100 mg; 250 mg; 500 mg

CAS Number: 1807512-36-2

PubChem CID: 91809448

Synonym: 1807512-36-2; Azido-PEG3-$(CH_2)_3$OH; Azido-PEG3-C3-OH; N_3-PEG3-CH_2CH_2CH2OH; 3-(2-(2-(2-azidoethoxy)ethoxy)ethoxy)propan-1-ol

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

Product Information

Description	Azido-PEG3-$(CH_2)_3$OH is a PEG linker featuring a three-carbon chain connecting the PEG fragment to an OH group. The azide moiety can react with alkynes, BCN, and DBCO through click chemistry to form stable triazole linkages. Additionally, the hydroxyl group allows for further derivatization or substitution with other reactive functional groups.
Molecular Weight	233.3
Molecular Formula	$C_9H_{19}N_3O_4$
Functional Group 1	Azide
Functional Group 2	Hydroxyl
Functional Group 3	None
Reactive Group 1	Alkynyl
Reactive Group 2	Acid
Reactive Group 3	Acyl chloride
IUPAC Name	3-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]propan-1-ol
InChI	InChI=1S/C9H19N3O4/c10-12-11-2-5-15-7-9-16-8-6-14-4-1-3-13/h13H,1-9H2
InChI Key	UUSDGPCVMBHTRJ-UHFFFAOYSA-N
Canonical SMILES	C(CO)COCCOCCOCCN=[N+]=[N-]
Form	Solid
Purity	90%
Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	It can be applied in the modification of biomaterials or the synthesis of polymer scaffolds. The azide

	group allows for conjugation with other reactive molecules, and the hydroxyl group provides additional reactivity for further functionalization.
Storage	Store at -20°C.