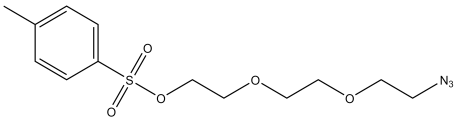
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Azide PEG reagent, *N*-(*t*-butyl ester-PEG2)-*N*-bis(PEG3-azide), Purity 98%



Cat. No.: X24-09-YYX330

Size: 100 mg; 250 mg; 500 mg

CAS Number: 2353409-46-6

PubChem CID: 138373726

Synonym: 2353409-46-6; *N*-(Boc-PEG2)-*N*-bis(PEG3-azide); *N*-(*t*-butyl ester-PEG2)-*N*-bis(PEG3-azide)

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

Product Information

Description	*N*-(*t*-butyl ester-PEG2)-*N*-bis(PEG3-azide) serves as a branched conjugation reagent featuring highly reactive azides that interact with alkynes such as DBCO, BCN, and propargyl reagents *via* click chemistry methods. The *t*-butyl protected carboxylic acid can be deprotected under acidic conditions. Furthermore, the hydrophilic nature of the PEG spacer enhances the overall hydrophilicity of this compound.
Molecular Weight	663.8
Molecular Formula	$C_{28}H_{53}N_7O_{11}$
Functional Group 1	Azide
Functional Group 2	*t*-Butyl ester
Functional Group 3	None
Reactive Group 1	Alkynyl
IUPAC Name	*tert*-butyl 3-[2-[3-[Bis[2-[2-[2-(2-azidoethoxy)ethoxy]ethoxy]ethyl]amino]-3-oxopropoxy]ethoxy]propanoate
InChI	InChI=1S/C28H53N7O11/c1-28(2,3)46-27(37)5-11-39-17-16-38-10-4-26(36)35(8-14-42-20-24-44-22-18-40-12-6-31-33-29)9-15-43-21-25-45-23-19-41-13-7-32-34-30/h4-25H2,1-3H3
InChI Key	FPYUXLBOVCGLNI-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)CCOCCOCCC(=O)N(CCOCCOCCOCCN=[N+]=[N-])CCOCCOCCOCCN=[N+]=[N-]
Form	Solid
Purity	98%
Solubility	DMSO, DCM, DMF

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Identity	Confirmed by NMR.
Applications	*N*-(*t*-butyl ester-PEG2)-*N*-bis(PEG3-azide) can be utilized in controlled modifications of biomolecules or in the synthesis of materials with specific properties.
Storage	Store at -20°C.