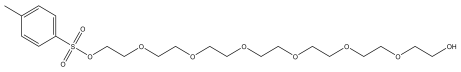
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Azide/Carboxylic acid PEG reagent, *N*-(acid-PEG3)-*N*-bis(PEG3-azide), Purity 98%



Cat. No.: X24-09-YYX365

Size: 100 mg; 250 mg; 500 mg

CAS Number: 2182602-17-9

PubChem CID: 131709281

Synonym: 2182602-17-9; *N*-(acid-PEG3)-*N*-bis(PEG3-azide)

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

Product Information

Description	*N*-(acid-PEG3)-*N*-bis(PEG3-azide) serves as an arm PEGylation reagent equipped with azide groups and a terminal carboxylic acid. The presence of these azides facilitates click chemistry reactions. Furthermore, the PEG linker enhances solubility in aqueous environments.
Molecular Weight	623.7
Molecular Formula	$C_{25}H_{49}N_7O_{11}$
Functional Group 1	Acid
Functional Group 2	Azide
Functional Group 3	None
Reactive Group 1	Amine
Reactive Group 2	Alkyne
IUPAC Name	3-[2-[2-[2-[bis[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethyl]amino]ethoxy]ethoxy]ethoxy]propanoic acid
InChI	InChI=1S/C25H49N7O11/c26-30-28-2-8-36-14-20-42-23-17-39-11-5-32(4-10-38-16-22-41-19-13-35-7-1-25(33)34)6-12-40-18-24-43-21-15-37-9-3-29-31-27/h1-24H2,(H,33,34)
InChI Key	WDEYOYQVZPSNFR-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCN(CCOCCOCCOCCN=[N+]=[N-])CCOCCOCCOCCN=[N+]=[N-])C(=O)O
Form	Solid
Purity	98%
Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	It can be used in bioconjugation reactions to attach various biomolecules. The acid and azide groups provide reactive sites for specific chemical couplings.

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

Storage	Store at -20°C.