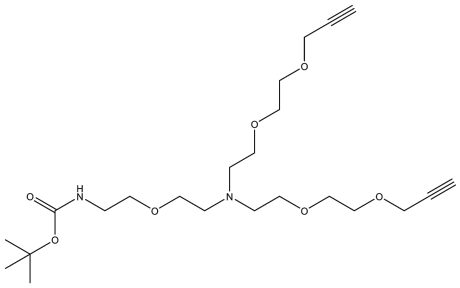
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Amine PEG reagent, *N*-(Amino-PEG3)-*N*-bis(PEG3-acid) HCl salt, Purity 97%



Cat. No.: X24-09-YYX076

Size: 100 mg; 250 mg; 500 mg

CAS Number: 2055042-59-4

PubChem CID: 123132129

Synonym: 2055042-59-4; *N*-(Amino-peg3)-n-bis(peg3-acid); 3-[2-[2-[2-[2-[2-[2-(2-aminoethoxy)ethoxy]ethoxy]ethyl-[2-[2-[2-(2-carboxyethoxy)ethoxy]ethoxy]ethyl]amino]ethoxy]ethoxy]ethoxy]propanoic acid

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

Product Information

Description	This salt compound contains amino-PEG3 and bis(PEG3-acid) moieties. It is utilized in the synthesis of polymeric materials and drug conjugates. The amino and acid groups offer sites for chemical reactions, and the presence of the HCl salt form may influence its reactivity and solubility in specific applications.
Molecular Weight	600.7
Molecular Formula	$C_{26}H_{52}N_2O_{13}$
Functional Group 1	Amine
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Acid
IUPAC Name	3-[2-[2-[2-[2-[2-[2-(2-Aminoethoxy)ethoxy]ethoxy]ethyl-[2-[2-[2-(2-carboxyethoxy)ethoxy]ethoxy]ethyl]amino]ethoxy]ethoxy]ethoxy]propanoic acid
InChI	InChI=1S/C26H52N2O13/c27-3-9-35-15-21-41-24-18-38-12-6-28(4-10-36-16-22-39-19-13-33-7-1-25(29)30)5-11-37-17-23-40-20-14-34-8-2-26(31)32/h1-24,27H2,(H,29,30)(H,31,32)
InChI Key	UHOXWPGAUQMIHP-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCN(CCOCCOCCOCCC(=O)O)CCOCCOCCOCCN)C(=O)O
Form	Solid
Purity	97%
Solubility	Water, DMSO, DMF
Identity	Confirmed by NMR.

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Applications	*N*-(Amino-PEG3)-*N*-bis(PEG3-acid) is commonly used in the synthesis of polymeric materials or in the modification of biomolecules for various applications such as drug delivery and biomedical research.
Storage	Store at -20°C.

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