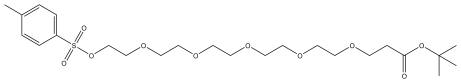
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Azide PEG reagent, *N*-(Azido-PEG3)-*N*-(BocNH-PEG2), Purity 98%



Cat. No.: X24-09-YYX348

Size: 50 mg; 100 mg; 250 mg

Synonym: *t*-Boc-*N*-amido-PEG10-bis(PEG10-azide); *N*-(*tert*-Butoxycarbonyl-*N*-amido-Polyethylene Glycol 10)-*N*-bis(PEG10-azide); *t*-Boc-amido-PEG10-*N*-bis(azido-PEG10); *N*-(*t*-Boc-*N*-amido-PEG10)-*N*-bis(azido-PEG10)

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

Product Information

Description	*N*-(Azido-PEG3)-*N*-(BocNH-PEG2) is a branched PEG linker featuring two terminal azide groups and a Boc-protected amino group. The presence of azide groups facilitates PEGylation through click chemistry methods. The Boc protecting group can be removed under mild acidic conditions, resulting in the formation of free amine.
Molecular Weight	650.8
Molecular Formula	$C_{27}H_{54}N_8O_{10}$
Functional Group 1	Azide
Functional Group 2	Boc
Functional Group 3	None
Reactive Group 1	Alkynyl
IUPAC Name	*tert*-butyl *N*-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[bis[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethyl]amino]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethyl]carbamate
InChI	InChI=1S/C71H142N8O32/c1-71(2,3)111-70(80)74-4-10-81-16-22-87-28-34-93-40-46-99-52-58-105-64-67-108-61-55-102-49-43-96-37-31-90-25-19-84-13-7-79(8-14-85-20-26-91-32-38-97-44-50-103-56-62-109-68-65-106-59-53-100-47-41-94-35-29-88-23-17-82-11-5-75-77-72)9-15-86-21-27-92-33-39-98-45-51-104-57-63-110-69-66-107-60-54-101-48-42-95-36-30-89-24-18-83-12-6-76-78-73/h4-69H2,1-3H3,(H,74,80)
InChI Key	REQVISHIQSNENI-UHFFFAOYSA-N
Isomeric SMILES	CC(C)(C)OC(=O)NCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN(CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOC

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Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	In the modification of biomolecules, it can be used to introduce both azide and BocNH functionalities for subsequent reactions and controlled modifications.
Storage	Store at -20°C.

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