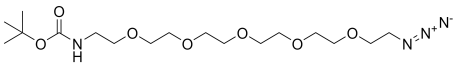
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Oxhydryl/Propargyl PEG reagent, Propargyl-PEG13-alcohol, Purity 98%



Cat. No.: X24-10-WXX145

Size: 250 mg; 500 mg; 1 g

CAS Number: 1036204-61-1

PubChem CID: 86580392

Synonym: Propargyl-PEG13-alcohol; 1036204-61-1; Propargyl-PEG12-OH; Propargyl-PEG12-alcohol; SCHEMBL19228951

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

Product Information

Description	Propargyl-PEG13-alcohol is designed for copper-catalyzed click chemistry reactions to form stable triazole linkage. The PEG spacer increases water solubility.
Molecular Weight	584.7
Molecular Formula	$C_{27}H_{52}O_{13}$
Functional Group 1	Oxhydryl
Functional Group 2	Propargyl
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethanol
InChI	InChI=1S/C27H52O13/c1-2-4-29-6-8-31-10-12-33-14-16-35-18-20-37-22-24-39-26-27-40-25-23-38-21-19-36-17-15-34-13-11-32-9-7-30-5-3-28/h1,28H,3-27H2
InChI Key	FLGCCIHLPCYSCV-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCO
Form	Solid
Purity	98%
Solubility	Water, DMSO, DMF, DCM
Identity	Confirmed by NMR.
Applications	Propargyl-PEG13-alcohol is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions with azide-bearing compounds or biomolecules enhancing water solubility for studies on biomolecular interactions and drug delivery systems.

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Storage	Store at -20°C.

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