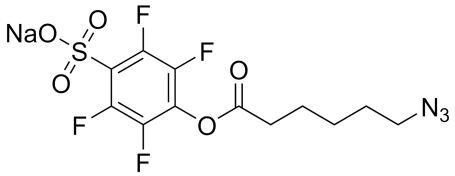
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Amine/Propargyl PEG reagent, Propargyl-PEG12-amine, Purity 98%



Cat. No.: X24-10-WXX112

Size: 250 mg; 500 mg; 1 g

CAS Number: 956348-61-1

PubChem CID: 118988532

Synonym: Propargyl-PEG12-amine; 956348-61-1; 2264091-73-6;

Alkyne-PEG12-NH_2;

3,6,9,12,15,18,21,24,27,30,33,36-dodecaoxanonatriacont-38-yn-1-amine

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

Product Information

Description	Propargyl-PEG12-amine is a reagent grade heterobifunctional reagent that enables amide formation with carboxylic acids, activated NHS esters, carbonyls (ketone, aldehyde), *etc*, designed for copper-catalyzed azide-alkyne click chemistry reactions. The PEG spacer increases water solubility.
Molecular Weight	583.7
Molecular Formula	$C_{27}H_{53}NO_{12}$
Functional Group 1	Amine
Functional Group 2	Propargyl
Functional Group 3	None
Reactive Group 1	Acid
Reactive Group 2	Azide
Reactive Group 3	NHS
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]ethoxy]ethanamine
InChI	InChI=1S/C27H53NO12/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/h1H,3-28H2
InChI Key	NEVZNOYZXMNIGM-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN
Form	Liquid
Purity	98%
Identity	Confirmed by NMR.

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Applications	Propargyl-PEG12-amine is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions with azide compounds, and enhancing water solubility for studies on biomolecular interactions and drug delivery systems.
Storage	Store at -20°C.

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