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

Product Information

Acid/Propargyl PEG reagent, Propargyl-PEG5-CH_2CO_2H, Purity 98%

Cat. No.: X24-10-WXX165

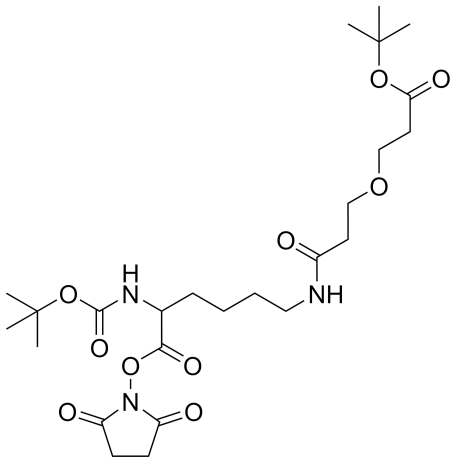
Size: 100 mg; 250 mg; 500 mg; 1 g

CAS Number: 1429934-37-1

PubChem CID: 119058291

Synonym: Propargyl-PEG5-CH_2CO_2H; Propargyl-PEG4-CH_2COOH; 1429934-37-1; 3,6,9,12,15-pentaoxaoctadec-17-ynoic acid; 2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]acetic acid

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



Product Information

Description	Propargyl-PEG5-CH_2CO_2H is a reagent grade alkyne linker with a carboxylic acid, designed for copper-catalyzed azide-alkyne click chemistry reactions. The carboxylic acid reacts with primary amines to form stable amide bonds.
Molecular Weight	290.3
Molecular Formula	$C_{13}H_{22}O_7$
Functional Group 1	Acid
Functional Group 2	Propargyl
Functional Group 3	None
Reactive Group 1	Amine
Reactive Group 2	Azide
IUPAC Name	2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]acetic acid
InChI	InChI=1S/C13H22O7/c1-2-3-16-4-5-17-6-7-18-8-9-19-10-11-20-12-13(14)15/h1H,3-12H2,(H,14,15)
InChI Key	QOUMZZIPISUGKO-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCOCC(=O)O
Form	Liquid
Purity	98%
Identity	Confirmed by NMR.
Applications	Propargyl-PEG5-CH_2CO_2H is used in molecular biology and bioconjugation research and facilitates efficient copper-catalyzed click chemistry reactions to form stable triazole linkage. Its design is ideal for studying biomolecular interactions and developing targeted drug delivery systems.

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Storage	Store at -20°C.