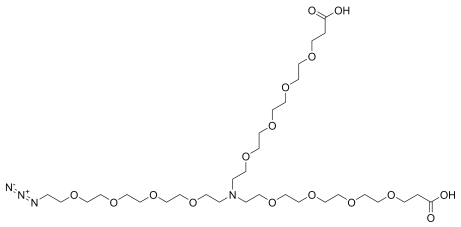
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

NHS/Propargyl PEG reagent, Propargyl-PEG5-CH_2CO_2-NHS, Purity 95%



Cat. No.: X24-10-WXX146

Size: 100 mg; 500 mg; 1 g

CAS Number: 1161883-51-7

PubChem CID: 131709289

Synonym: Propargyl-PEG5-CH_2CO_2-NHS; 1161883-51-7; Propargyl-PEG4-O-C1-NHS ester; (2,5-dioxopyrrolidin-1-yl) 2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]acetate; AKOS040742485

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

Product Information

Description	Propargyl-PEG5-CH_2CO_2-NHS is a reagent grade amine reactive linker, designed for copper-catalyzed click chemistry reactions. The PEG spacer increases water solubility.
Molecular Weight	387.4
Molecular Formula	$C_{17}H_{25}NO_9$
Functional Group 1	NHS
Functional Group 2	Propargyl
Functional Group 3	None
Reactive Group 1	Amine
Reactive Group 2	Azide
IUPAC Name	(2,5-dioxopyrrolidin-1-yl) 2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]acetate
InChI	InChI=1S/C17H25NO9/c1-2-5-22-6-7-23-8-9-24-10-11-25-12-13-26-14-17(21)27-18-15(19)3-4-16(18)20/h1H,3-14H2
InChI Key	BNRYRRHZTIDZOR-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCOCC(=O)ON1C(=O)CCC1=O
Form	Liquid
Purity	95%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	Propargyl-PEG5-CH_2CO_2-NHS is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions with azide-bearing biomolecules, making it ideal

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	for studying biomolecular interactions and developing targeted drug delivery systems.
Storage	Store at -20°C.