

Product Information

Acid/Propargyl PEG reagent, Propargyl-PEG3-CH₂CO₂H, Purity 95%

Cat. No.: X24-10-WXX132

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

CAS Number: 944561-46-0

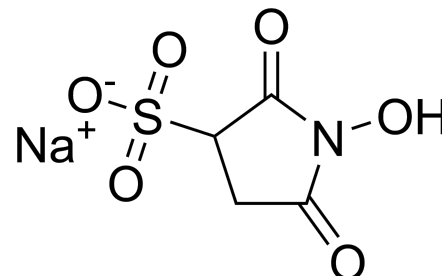
PubChem CID: 58281034

Synonym: 944561-46-0; Propargyl-PEG2-CH₂COOH;

2-(2-(2-(Prop-2-yn-1-yloxy)ethoxy)ethoxy)acetic acid; Acetic acid,

2-[2-[2-(2-propyn-1-yloxy)ethoxy]ethoxy]-; Propargyl-PEG3-CH₂CO₂H

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



Product Information

Description	Propargyl-PEG3-CH ₂ CO ₂ H is a reagent grade PEG linker with an alkyne and carboxylic acid set of functional groups. The alkyne group participates in copper-catalyzed azide-alkyne click chemistry to form stable triazole linkage. The carboxylic acid reacts with primary amines to form stable amide bonds; an activator (e.g. EDC, or HATU) is needed.
Molecular Weight	202.2
Molecular Formula	C ₉ H ₁₄ O ₅
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-prop-2-ynoxyethoxy)ethoxy]acetic acid
InChI	InChI=1S/C9H14O5/c1-2-3-12-4-5-13-6-7-14-8-9(10)11/h1H,3-8H2,(H,10,11)
InChI Key	FWONAGPFSKACQC-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCC(=O)O
Form	Solid
Purity	95%
Identity	Confirmed by NMR.
Applications	Propargyl-PEG3-CH ₂ CO ₂ H not only allows for efficient click chemistry but also for additional conjugation options, making it ideal for synthesizing tailored drug delivery systems with both

hydrophobic and hydrophilic characteristics.

Storage

Store at -20°C.
