

## Product Information

### Propargyl PEG reagent, Bis-propargyl-PEG9, Purity 98%

**Cat. No.:** X24-10-WXX175

**Size:** 250 mg; 500 mg; 1 g; 5 g

**MDL:** MFCD27635156

**CAS Number:** 1092554-87-4

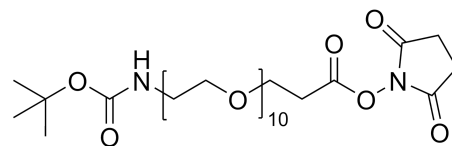
**PubChem CID:** 77078262

**Synonym:** Bis-propargyl-PEG8; 1092554-87-4;

4,7,10,13,16,19,22,25,28-nonaoxahentriaconta-1,30-diyne; MFCD27635156; 3-[2-[2-[

2-[2-[2-[2-(2-Prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethox

y]prop-1-yne



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

#### Product Information

<b>Description</b>	Bis-propargyl-PEG9 is a reagent grade crosslinking reagent with two propargyl groups, designed for copper-catalyzed click chemistry reactions. The PEG spacer increases water solubility.
<b>Molecular Weight</b>	446.5
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>38</sub> O <sub>9</sub>
<b>Functional Group 1</b>	Propargyl
<b>Functional Group 2</b>	None
<b>Functional Group 3</b>	None
<b>Reactive Group 1</b>	Azide
<b>IUPAC Name</b>	3-[2-[2-[2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]prop-1-yne
<b>InChI</b>	InChI=1S/C22H38O9/c1-3-5-23-7-9-25-11-13-27-15-17-29-19-21-31-22-20-30-18-16-28-14-12-26-10-8-24-6-4-2/h1-2H,5-22H2
<b>InChI Key</b>	MBRUWMSMSQUEOD-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C#CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCC#C
<b>Form</b>	Solid/liquid
<b>Purity</b>	98%
<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	Bis-propargyl-PEG9 is used in molecular biology and bioconjugation research, facilitating efficient

copper-catalyzed click chemistry reactions with azide-bearing compounds. It is ideal for modifying biomolecules and studying protein interactions.

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**Storage**

Store at -20°C.

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