

## Product Information

### Propargyl PEG reagent, Bis-propargyl-PEG10, Purity 98%

**Cat. No.:** X24-10-WXX179

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

**MDL:** MFCD28976686

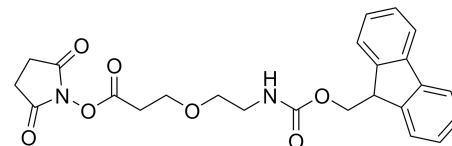
**CAS Number:** 1351373-47-1

**PubChem CID:** 102514866

**Synonym:** Bis-propargyl-PEG10; 1351373-47-1;

4,7,10,13,16,19,22,25,28,31-decaoxatetracont-1,33-diyne; SCHEMBL22589673;

MFCD28976686



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

#### Product Information

<b>Description</b>	Bis-propargyl-PEG10 is designed for copper-catalyzed click chemistry reactions with azide-bearing biomolecules or compounds. The PEG spacer increases water solubility.
<b>Molecular Weight</b>	490.6
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>42</sub> O <sub>10</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-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]prop-1-yne
<b>InChI</b>	InChI=1S/C24H42O10/c1-3-5-25-7-9-27-11-13-29-15-17-31-19-21-33-23-24-34-22-20-32-18-16-30-14-12-28-10-8-26-6-4-2/h1-2H,5-24H2
<b>InChI Key</b>	LGMGZRHYRPWDIM-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C#CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCC#C
<b>Form</b>	Liquid
<b>Purity</b>	98%
<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	Bis-propargyl-PEG10 is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions and enhancing water solubility, for a variety of

applications in biochemistry and molecular biology.

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**Storage**

Store at -20°C.

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