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Product Information

Oxhydryl/Propargyl PEG reagent, Propargyl-PEG10-alcohol, Purity 98%

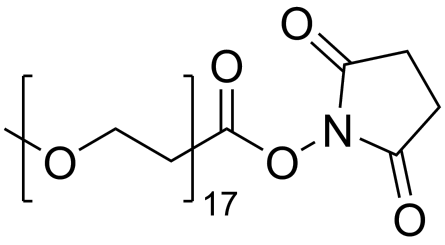
Cat. No.: X24-10-WXX156

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

CAS Number: 2055022-35-8

PubChem CID: 102514877

Synonym: Propargyl-PEG10-alcohol; Propargyl-PEG9-OH; 2055022-35-8; 3,6,9,12,15,18,21,24,27-Nonaoxatriacont-29-yn-1-ol; AKOS040742511



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

Product Information

Description	Propargyl-PEG10-alcohol is a reagent grade heterobifunctional PEG linker, designed for copper-catalyzed click chemistry reactions. The PEG spacer increases water solubility.
Molecular Weight	452.5
Molecular Formula	$C_{21}H_{40}O_{10}$
Functional Group 1	Oxhydryl
Functional Group 2	Propargyl
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethanol
InChI	InChI=1S/C21H40O10/c1-2-4-23-6-8-25-10-12-27-14-16-29-18-20-31-21-19-30-17-15-28-13-11-26-9-7-24-5-3-22/h1,22H,3-21H2
InChI Key	FBQGPFAGZKPHQT-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCOCCOCCOCCOCCOCCO
Form	Liquid
Purity	98%
Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	Propargyl-PEG10-alcohol is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions with azide-bearing biomolecules and enhancing aqueous solubility, Its design is ideal for studying biomolecular interactions and developing targeted

	drug delivery systems.
Storage	Store at -20°C.