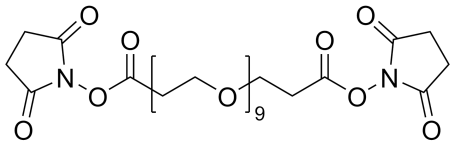
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Propargyl PEG reagent, m-PEG17-propargyl, Purity 98%



Cat. No.: X24-10-WXX160

Size: 250 mg; 500 mg; 1 g

CAS Number: 146185-77-5

PubChem CID: 77078252

Synonym: Propargyl-PEG17-methane; 2169967-47-7; mPEG16-propyne; Proparyl-PEG17-methane; m-PEG17-propargyl

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

Product Information

Description	Propargyl-PEG17-methane has an alkyne group, designed for copper-catalyzed click chemistry reactions. The PEG spacer increases water solubility.
Molecular Weight	774.9
Molecular Formula	$C_{36}H_{70}O_{17}$
Functional Group 1	Propargyl
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	3-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]prop-1-yne
InChI	InChI=1S/C36H70O17/c1-3-4-38-7-8-40-11-12-42-15-16-44-19-20-46-23-24-48-27-28-50-31-32-52-35-36-53-34-33-51-30-29-49-26-25-47-22-21-45-18-17-43-14-13-41-10-9-39-6-5-37-2/h1H,4-36H2,2H3
InChI Key	KXGWRMYKHLIJGH-UHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCC#C
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	m-PEG17-propargyl is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions with azide compounds to yield a stable triazole linkage and enhancing water solubility, making it ideal for modifying biomolecules and studying protein interactions.

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Storage	Store at -20°C.

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