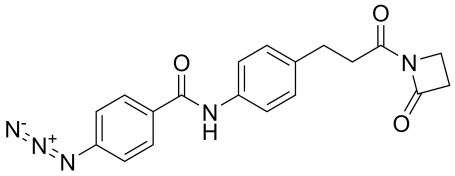
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Amine/Propargyl PEG reagent, Propargyl-PEG10-amine, Purity 98%



Cat. No.: X24-10-WXX131

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

CAS Number: 2112737-25-2

PubChem CID: 126961964

Synonym: Propargyl-PEG10-amine; 2112737-25-2; Propargyl-PEG10-NH_2; 2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethanamine; HC identical withC-CH_2-PEG10-NH_2

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

Product Information

Description	Propargyl-PEG10-amine is a reagent grade PEG reagent that is reactive with carboxylic acids, activated NHS esters, carbonyls (ketone, aldehyde), *etc*. The propargyl group enables click chemistry reactions with azide-bearing biomolecules or compounds; a copper catalyst is required.
Molecular Weight	495.6
Molecular Formula	$C_{23}H_{45}NO_{10}$
Functional Group 1	Amine
Functional Group 2	Propargyl
Functional Group 3	None
Reactive Group 1	Acid
Reactive Group 2	Azide
Reactive Group 3	NHS
IUPAC Name	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethanamine
InChI	InChI=1S/C23H45NO10/c1-2-4-25-6-8-27-10-12-29-14-16-31-18-20-33-22-23-34-21-19-32-17-15-30-13-11-28-9-7-26-5-3-24/h1H,3-24H2
InChI Key	BUHRQQWHOZKWAN-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN
Form	Liquid
Purity	98%
Identity	Confirmed by NMR.

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Applications	Propargyl-PEG10-amine allows for versatile bioconjugation, making it useful in creating stable drug conjugates or protein modifications. Its dual functional capability supports applications in targeted therapeutic approaches.
Storage	Store at -20°C.

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