

Product Information

Amine/Propargyl PEG reagent, Propargyl-PEG8-amine, Purity 98%

Cat. No.: X24-10-WXX152

Size: 250 mg; 500 mg; 1 g

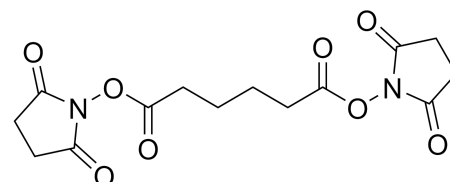
CAS Number: 1196732-52-1

PubChem CID: 58078852

Synonym: Propargyl-PEG8-amine; 1196732-52-1; Propargyl-PEG8-NH₂;

3,6,9,12,15,18,21,24-octaoxaheptacos-26-yn-1-amine; Propyne-PEG8-amine

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



Product Information

Description	Propargyl-PEG8-amine is a reagent grade heterobifunctional reagent with an amine group and a propargyl group, designed for copper-catalyzed click chemistry reactions. The amine group forms amide bonds with activated NHS esters, carboxylic acids, carbonyls (ketone, aldehyde), <i>etc.</i>
Molecular Weight	407.5
Molecular Formula	C ₁₉ H ₃₇ NO ₈
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-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethanamine
InChI	InChI=1S/C19H37NO8/c1-2-4-21-6-8-23-10-12-25-14-16-27-18-19-28-17-15-26-13-11-24-9-7-22-5-3-20/h1H,3-20H2
InChI Key	HJYYOUVXTIUMEJ-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCOCCOCCOCCOCCN
Form	Liquid
Purity	98%
Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	Propargyl-PEG8-amine is used in molecular biology and bioconjugation research, facilitating efficient

reactions with azides, and forming amide bonds with carboxylic acids, activated NHS esters, carbonyls (ketone, aldehyde) etc., making it ideal for studying biomolecular interactions and developing targeted drug delivery systems.

Storage

Store at -20°C.
