

Product Information

Amine/Propargyl PEG reagent, Propargyl-PEG9-amine, Purity 95%

Cat. No.: X24-10-WXX111

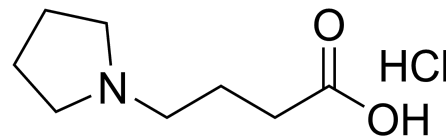
Size: 100 mg; 250 mg; 500 mg; 1 g

CAS Number: 2093153-98-9

PubChem CID: 123132034

Synonym: Propargyl-PEG9-amine; 2093153-98-9; 2-[2-[2-[2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethanamine; Propargyl-PEG9-NH₂; AKOS040742509

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



Product Information

Description	Propargyl-PEG9-amine has a propargyl group and an amine group. The amine group reacts with carboxylic acids, activated NHS esters, and carbonyls (ketone, aldehyde) to form amide bonds, designed for copper-catalyzed click chemistry reactions.
Molecular Weight	451.6
Molecular Formula	C ₂₁ H ₄₁ NO ₉
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-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethanamine
InChI	InChI=1S/C21H41NO9/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/h1H,3-22H2
InChI Key	HWOGUEROMVALKI-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN
Form	Liquid
Purity	95%
Identity	Confirmed by NMR.

Applications

Propargyl-PEG9-amine is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions with azide-bearing compounds, making it ideal for studying biomolecular interactions and developing targeted drug delivery systems.

Storage

Store at -20°C.
