

Product Information

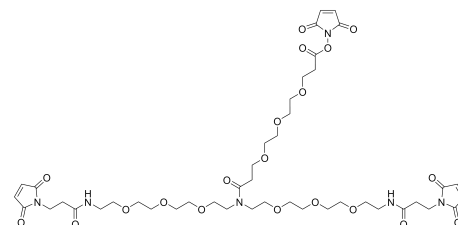
Amine/Propargyl PEG reagent, NH-bis(PEG4-propargyl), Purity 98%

Cat. No.: X24-10-WXX167

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

Synonym: Amine/Propargyl PEG reagent; NH-bis(PEG4-propargyl)

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



Product Information

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|---------------------------|---|
| Description | NH-bis(PEG4-propargyl) is a reagent grade bifunctional PEG compound with two terminal alkynes that are joined together at a secondary amine, designed for copper-catalyzed click chemistry reactions. The secondary amine is used in forming amides with activated NHS esters or carboxylic acids or as a nucleophile such as in alkylation <i>via</i> reductive amination. |
| Molecular Weight | 445.6 |
| Molecular Formula | C ₂₂ H ₃₉ 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 |
| Form | Solid |
| Purity | 98% |
| Identity | Confirmed by NMR. |
| Applications | NH-bis(PEG4-propargyl) is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions. Its design is ideal for studying biomolecular interactions and developing targeted drug delivery systems. |
| Storage | Store at -20°C. |