

Product Information

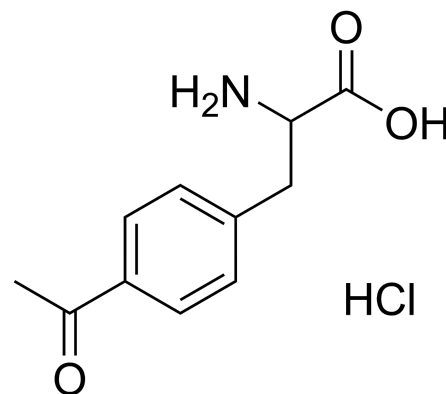
BCN/Ethoxymethyl/Propargyl PEG reagent, *N*-(endo-BCN-PEG2-amido-PEG3)-*N*-bis-(PEG3-amino-Tri-(propargyl-PEG2-ethoxymethyl)-methane), Purity 95%

Cat. No.: X24-10-WXX124

Size: 50 mg; 100 mg

Synonym: BCN/Ethoxymethyl/Propargyl PEG reagent; *N*-(endo-BCN-PEG2-amido-PEG3)-*N*-bis-(PEG3-amino-Tri-(propargyl-PEG2-ethoxymethyl)-methane)

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



Product Information

Description

N-(endo-BCN-PEG2-amido-PEG3)-*N*-bis-(PEG3-Amino-Tri-(Propargyl-PEG2-ethoxymethyl)-methane) is a reagent grade multi-functional PEG linker with six terminal propargyl groups and a BCN group. The propargyl groups enable the formation of triazole linkage with azide-bearing biomolecules or compounds in copper-catalyzed click chemistry. The BCN group reacts with azide-tagged compounds or biomolecules. The hydrophilic PEG spacer increases solubility in aqueous media.

Molecular Weight

2325.8

Molecular Formula

C₁₁₂H₁₈₅N₁₁O₄₀

Functional Group 1

BCN

Functional Group 2

Ethoxymethyl

Functional Group 3

Propargyl

Reactive Group 1

Azide

Form

Solid/liquid

Purity

95%

Identity

Confirmed by NMR.

Applications

N-(endo-BCN-PEG2-amido-PEG3)-*N*-bis-(PEG3-Amino-Tri-(Propargyl-PEG2-ethoxymethyl)-methane) integrates multiple functional moieties for enhanced bioconjugation strategies. The presence of propargyl groups allows for efficient click chemistry reactions, making it valuable for targeted drug delivery and functionalization of biomolecules.

Storage

Store at -20°C.

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