

Product Information

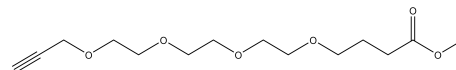
Amine/Azide PEG reagent, Azide-PEG8-amido-tri-(carboxyethoxymethyl)-methane, Purity 98%

Cat. No.: X24-09-YYX481

Size: 100 mg; 250 mg

Synonym: Tri-(carboxyethoxymethyl)-methane Azide-PEG8 Amido; Azide-PEG8-amido-tri-carboxyethoxymethylmethane; PEG8-azide-amido-tri-(carboxyethoxymethyl)-methane

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



Product Information

Description	The compound azide-PEG8-amido-tri-(carboxyethoxymethyl)-methane is a complex molecule that integrates an azide group, a PEG8 chain, an amide linkage, and a tri-(carboxyethoxymethyl) methane moiety. The PEG8 chain enhances the compound's solubility and biocompatibility. The azide group provides a reactive site for click chemistry, and the amide and carboxy groups contribute to the molecule's chemical reactivity and functionality.
Molecular Weight	786.8
Molecular Formula	C ₃₂ H ₅₈ N ₄ O ₁₈
Functional Group 1	Azide
Functional Group 2	Amine
Functional Group 3	Amide
Reactive Group 1	Alkynyl
Reactive Group 2	Acid
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	This compound can be employed in the development of drug delivery systems. The azide group can be used for conjugating drugs or targeting ligands, while the PEG8 chain improves the circulation time and biodistribution of the delivery vehicle. It can also be utilized in the modification of biomaterials to enhance their biocompatibility and functionality. Additionally, it has potential applications in the synthesis of advanced polymer materials for various industrial and biomedical uses.
Storage	Store at -20°C.

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