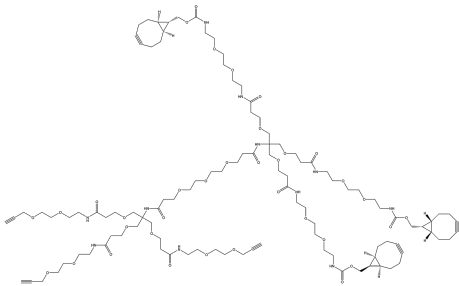


Product Information

Amine/Azide PEG reagent, 2,3,4-(PEG4-azide)-1-(PEG4-amine)methane, Purity 95%

Cat. No.: X24-09-YYX461
Size: 100 mg; 250 mg; 500 mg; 1 g
Synonym: 1-(PEG4-amine)-2,3,4-(PEG4-azide)methane;
PEG4-azide-1-(PEG4-amine)-methane; 2,3,4-azido-1-amino-PEG4-methane
This product is for research use only and is not intended for diagnostic use.



Product Information

Description	The compound 2,3,4-(PEG4-azide)-1-(PEG4-amine)methane is a distinctive molecule. It features three PEG4 chains terminated with azide groups at positions 2, 3, and 4, and one PEG4 chain with an amine group at position 1. The PEG4 chains enhance the compound's solubility and biocompatibility. The azide groups offer reactive sites for click chemistry reactions, while the amine group can participate in various coupling reactions.
Molecular Weight	915.1
Molecular Formula	C ₃₇ H ₇₄ N ₁₀ O ₁₆
Functional Group 1	Amine
Functional Group 2	Azide
Functional Group 3	Ether
Reactive Group 1	Acid
Reactive Group 2	Alkyne
Form	Solid
Purity	95%
Identity	Confirmed by NMR.
Applications	In the area of bioconjugation, it can be used to attach different molecules together. It can also be used in the modification of biomolecules such as proteins or peptides to enhance their properties or functions. In materials science, this compound can be incorporated into polymeric materials to control their properties such as solubility, hydrophobicity, or mechanical strength.
Storage	Store at -20°C.