

Product Information

Azide PEG reagent, Azido-PEG5-azide, Purity 97%

Cat. No.: X24-09-YYX268

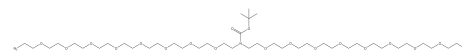
Size: 100 mg; 250 mg; 500 mg; 1 g

Synonym: 356046-26-9; Azido-PEG5-azide;

3,6,9,12,15-Pentaoxaheptadecane-1,17-diyl Bis-azide;

1,17-DIAZIDO-3,6,9,12,15-PENTAOXAHEPTADECANE; N₃-PEG5-N₃;

1-azido-2-[2-[2-[2-[2-(2-azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethane; Azido-PEG5-Azido



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

Product Information

Description	Azido-PEG5-azide is a chemical compound that features an azide group at each end of a polyethylene glycol (PEG) chain with a length of 5 units. The PEG5 portion enhances the compound's solubility in various solvents and improves its biocompatibility. The azide groups provide reactive sites that can participate in click chemistry reactions, allowing for facile conjugation with other molecules containing complementary functional groups.
Molecular Weight	360.4
Molecular Formula	C ₁₄ H ₂₈ N ₆ O ₅
Functional Group 1	Azide
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Alkynyl
IUPAC Name	1-azido-2-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethane
InChI	InChI=1S/C12H24N6O5/c13-17-15-1-3-19-5-7-21-9-11-23-12-10-22-8-6-20-4-2-16-18-14/h1-12H2
InChI Key	OQHIMLOZSDFRID-UHFFFAOYSA-N
Isomeric SMILES	C(COCCOCCOCCOCCOCCN=[N+]=[N-])N=[N+]=[N-]
Form	Solid
Purity	97%
Identity	Confirmed by NMR.
Applications	Azido-PEG5-azide is commonly utilized in the construction of complex macromolecular structures. The multiple azide groups facilitate cross-linking and the formation of polymeric networks. It can be

used in the synthesis of hydrogels or advanced materials.

Storage	Store at -20°C.
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