

Product Information

Azide PEG reagent, Azido-PEG6-alcohol, Purity 98%

Cat. No.: X24-09-YYX374

Size: 250 mg; 500 mg; 1 g; 5 g

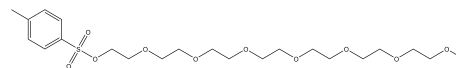
CAS Number: 86770-69-6

PubChem CID: 57570866

Synonym: 86770-69-6; Azido-PEG6-alcohol; azido-PEG6-OH; N₃-PEG6-OH;

17-azido-3,6,9,12,15-pentaoxaheptadecan-1-ol

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



Product Information

Description	Azido-PEG6-alcohol is a water-soluble reagent comprising an azide group along with a terminal hydroxyl group. The azide moiety can engage in reactions with alkyne compounds such as BCN or DBCO through click chemistry processes resulting in stable triazole formations. Additionally, the hydroxyl group allows for further derivatization or substitution with other reactive functional groups.
Molecular Weight	307.3
Molecular Formula	C ₁₂ H ₂₅ N ₃ O ₆
Functional Group 1	Azide
Functional Group 2	Hydroxyl
Functional Group 3	None
Reactive Group 1	Alkynyl
Reactive Group 2	Acid
Reactive Group 3	Acyl chloride
IUPAC Name	2-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethanol
InChI	InChI=1S/C12H25N3O6/c13-15-14-1-3-17-5-7-19-9-11-21-12-10-20-8-6-18-4-2-16/h16H,1-12H2
InChI Key	DPRULTZUGLDCPZ-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCOCCOCCO)N=[N+]=[N-]
Form	Solid
Purity	98%
Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	This compound can be used in the modification of biomolecules or in the synthesis of drug

conjugates. The alcohol group can undergo various chemical reactions for functionalization, and the PEG chain improves solubility and biocompatibility.

Storage

Store at -20°C.
