

Product Information

Amine/Azide/Carboxylic acid PEG reagent, 2-(Azido-PEG3-amido)-1,3-bis(carboxylethoxy)propane, Purity 98%

Cat. No.: X24-09-YYX369

Size: 50 mg; 100 mg; 250 mg

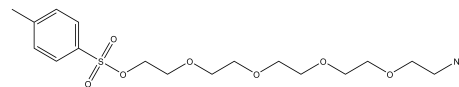
CAS Number: 2086689-05-4

PubChem CID: 126480448

Synonym: 2086689-05-4; 2-(Azido-PEG3-amido)-1,3-bis(carboxylethoxy)propane;

2-Azido-PEG3-amido-13-biscarboxylethoxypropane

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



Product Information

Description	2-(Azido-PEG3-amido)-1,3-bis(carboxylethoxy)propane facilitates PEGylation <i>via</i> click chemistry. Its terminal carboxylic acids are capable of reacting with primary amino (NH ₂) groups in the presence of activators like HATU or EDC.
Molecular Weight	464.5
Molecular Formula	C ₁₈ H ₃₂ N ₄ O ₁₀
Functional Group 1	Azide
Functional Group 2	Amine
Functional Group 3	Acid
Reactive Group 1	Alkynyl
Reactive Group 2	Acid
Reactive Group 3	Amine
IUPAC Name	3-[2-[3-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]propanoylamino]-3-(2-carboxyethoxy)propoxy]propanoic acid
InChI	InChI=1S/C18H32N4O10/c19-22-20-4-8-29-10-12-30-11-9-28-5-1-16(23)21-15(13-31-6-2-17(24)25)14-32-7-3-18(26)27/h15H,1-14H2,(H,21,23)(H,24,25)(H,26,27)
InChI Key	NIEBYMXGDWQDQN-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCN=[N+]=[N-])C(=O)NC(COCCC(=O)O)COCCC(=O)O
Form	Solid
Purity	98%
Identity	Confirmed by NMR.

Applications

It can be used in the modification of biomolecules for therapeutic or diagnostic purposes and can be applied in the design of novel materials for biomedical applications.

Storage

Store at -20°C.
