

## Product Information

### Azide/Carboxylic acid PEG reagent, Azido-PEG8-acid, Purity 98%

**Cat. No.:** X24-09-YYX267

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

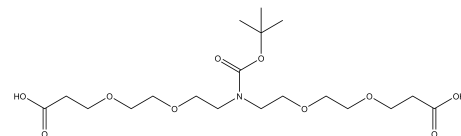
**CAS Number:** 1214319-92-2

**PubChem CID:** 75535109

**Synonym:** 1214319-92-2; Azido-PEG8-acid; N<sub>3</sub>-PEG8-CH<sub>2</sub>CH<sub>2</sub>COOH;

1-AZIDO-3,6,9,12,15,18,21,24-OCTAOXAHEPTACOSAN-27-OIC ACID; Azide-PEG8-COOH

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



#### Product Information

<b>Description</b>	Azido-PEG8-acid serves as a water-soluble PEG linker that includes an azide and a terminal carboxylic acid. The azide group is capable of reacting through click chemistry with alkyne compounds, BCN, or DBCO to form stable triazole linkages. Furthermore, the terminal carboxylic acid can interact with primary amines when activated by agents such as EDC or HATU to create stable amide bonds.
<b>Molecular Weight</b>	467.5
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>37</sub> N <sub>3</sub> O <sub>10</sub>
<b>Functional Group 1</b>	Acid
<b>Functional Group 2</b>	Azide
<b>Functional Group 3</b>	None
<b>Reactive Group 1</b>	Amine
<b>Reactive Group 2</b>	Alkyne
<b>IUPAC Name</b>	3-[2-[2-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoic acid
<b>InChI</b>	InChI=1S/C19H37N3O10/c20-22-21-2-4-26-6-8-28-10-12-30-14-16-32-18-17-31-15-13-29-11-9-27-7-5-25-3-1-19(23)24/h1-18H2,(H,23,24)
<b>InChI Key</b>	URUGOEBULOZLBF-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C(COCCOCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-])C(=O)O
<b>Form</b>	Solid
<b>Purity</b>	98%

Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	Azido-PEG8-acid can be applied in the development of targeted drug delivery systems or imaging agents.
Storage	Store at -20°C.