

## Product Information

### Amine/Azide PEG reagent, 3-(Azido-PEG5-amino)propanol, Purity 98%

**Cat. No.:** X24-09-YYX359

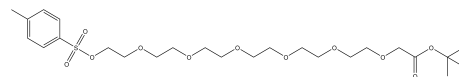
**Size:** 250 mg; 500 mg; 1 g

**CAS Number:** 2228857-31-4

**PubChem CID:** 134159732

**Synonym:** 2228857-31-4; 3-(Azido-PEG5-amino)propanol; Amine/Azide PEG reagent

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



#### Product Information

<b>Description</b>	3-(Azido-PEG5-amino)propanol functions as a PEG linker containing both an azide group and a terminal hydroxyl function. The azides are frequently utilized for copper-catalyzed click chemistry reactions involving alkynes such as DBCO and BCN leading to triazole linkages formation. Moreover, the hydroxyl group enables further derivatization of this compound while enhancing its solubility due to the hydrophilic nature of the PEG spacer.
<b>Molecular Weight</b>	364.4
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>32</sub> N <sub>4</sub> O <sub>6</sub>
<b>Functional Group 1</b>	Amine
<b>Functional Group 2</b>	Azide
<b>Functional Group 3</b>	Hydroxyl
<b>Reactive Group 1</b>	Acid
<b>Reactive Group 2</b>	Alkyne
<b>IUPAC Name</b>	3-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethylamino]propan-1-ol
<b>InChI</b>	InChI=1S/C15H32N4O6/c16-19-18-4-7-22-9-11-24-13-15-25-14-12-23-10-8-21-6-3-17-2-1-5-20/h17,20H,1-15H2
<b>InChI Key</b>	QVTMKPNWEOZQRR-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C(CNCCOCCOCCOCCOCCOCCN=[N+]=[N-])CO
<b>Form</b>	Solid
<b>Purity</b>	98%
<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	It can be used in the modification of biomaterials, such as hydrogels or scaffolds, to improve cell adhesion and biocompatibility.

**Storage**

Store at -20°C.

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