

## Product Information

### Azide PEG reagent, Iodoacetamido-PEG6-azide, Purity 98%

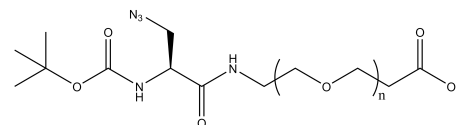
**Cat. No.:** X24-09-YYX452

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

**CAS Number:** 1240737-77-2

**Synonym:** 1240737-77-2; *N*

-[2-[2-[2-[2-[2-[2-(2-azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethyl]-2-iodoacetamide



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

#### Product Information

<b>Description</b>	Iodoacetamido-PEG6-azide is an aqueous-soluble PEG linker featuring both an azide moiety and a terminal Iodoacetamido group. This azide functionality can react with alkyne compounds like BCN or DBCO <i>via</i> click chemistry processes to yield stable triazole linkages. The Iodoacetamido moiety is often utilized for covalent binding with thiol groups found in cysteine residues, preventing protein disulfide bond formation.
<b>Molecular Weight</b>	518.4
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>31</sub> IN <sub>4</sub> O <sub>7</sub>
<b>Functional Group 1</b>	Azide
<b>Functional Group 2</b>	Iodoacetamide
<b>Functional Group 3</b>	None
<b>Reactive Group 1</b>	Alkynyl
<b>Reactive Group 2</b>	Thiol
<b>IUPAC Name</b>	<i>N</i> -[2-[2-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethyl]-2-iodoacetamide
<b>InChI</b>	InChI=1S/C16H31IN4O7/c17-15-16(22)19-1-3-23-5-7-25-9-11-27-13-14-28-12-10-26-8-6-24-4-2-20-21-18/h1-15H2,(H,19,22)
<b>InChI Key</b>	PIZOGBWQSYGRGW-UHFFFAOYSA-N
<b>Isomeric SMILES</b>	C(COCCOCCOCCOCCOCCOCCN=[N+]=[N-])NC(=O)CI
<b>Form</b>	Solid
<b>Purity</b>	98%
<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	It can be used in the development of targeted therapeutics or in the study of protein structure and

function.

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**Storage**

Store at -20°C.

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