

Product Information

Azide PEG reagent, Iodo-PEG3-azide, Purity 98%

Cat. No.: X24-09-YYX346

Size: 250 mg; 500 mg; 1 g

CAS Number: 936917-36-1

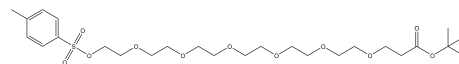
PubChem CID: 71551921

Synonym: 936917-36-1; Iodo-PEG3-azide; Iodo-PEG4-N3;

1-azido-2-(2-(2-(2-iodoethoxy)ethoxy)ethoxy)ethane;

1-azido-2-[2-[2-(2-iodoethoxy)ethoxy]ethoxy]ethane

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



Product Information

Description	Iodo-PEG3-azide serves as a PEG linker incorporating both iodide and azide functionalities. The hydrophilic nature of the PEG spacer enhances solubility in aqueous solutions. Its azide group can engage in reactions with alkynes, BCN, or DBCO <i>via</i> -click chemistry to yield stable triazole linkages. Furthermore, the iodide acts as an excellent leaving group for nucleophilic substitution reactions.
Molecular Weight	329.1
Molecular Formula	C ₈ H ₁₆ IN ₃ O ₃
Functional Group 1	Azide
Functional Group 2	Iodoacetamide
Functional Group 3	None
Reactive Group 1	Alkynyl
Reactive Group 2	Thiol
IUPAC Name	1-Azido-2-[2-[2-(2-iodoethoxy)ethoxy]ethoxy]ethane
InChI	InChI=1S/C8H16IN3O3/c9-1-3-13-5-7-15-8-6-14-4-2-11-12-10/h1-8H2
InChI Key	UFRYEFKWTSOFBV-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCI)N=[N+]=[N-]
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	In the field of bioconjugation, it can be used to attach biomolecules such as proteins or peptides.

The azide group enables click chemistry reactions, and the iodo functionality offers additional reactivity options.

Storage

Store at -20°C.
