

Product Information

Azide/Alkyne PEG reagent, 5-(tetrahydro-2H-pyran-2-yloxy)pent-3-yn-1-PEG4-azide, Purity 95%

Cat. No.: X24-09-YYX274

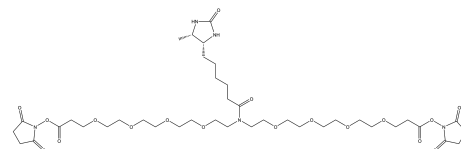
Size: 50 mg

CAS Number: 2468714-97-6

Synonym: 2468714-97-6; Azide/Alkyne PEG reagent;

5-(tetrahydro-2H-pyran-2-yloxy)pent-3-yn-1-PEG4-azide

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



Product Information

Description	5-(tetrahydro-2H-pyran-2-yloxy)pent-3-yn-1-PEG4-azide is available at reagent grade for research purposes.
Molecular Weight	385.5
Molecular Formula	C ₁₈ H ₃₁ N ₃ O ₆
Functional Group 1	Azide
Functional Group 2	Alkyne
Functional Group 3	Ether
Reactive Group 1	Alkynyl
Reactive Group 2	Azides
IUPAC Name	2-[5-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]pent-2-yloxy]oxane
InChI	InChI=1S/C18H31N3O6/c19-21-20-7-11-23-13-15-25-17-16-24-14-12-22-8-3-1-4-9-26-18-6-2-5-10-27-18/h18H,2-3,5-17H2
InChI Key	NLPVDZABDQLAPL-UHFFFAOYSA-N
Isomeric SMILES	C1CCOC(C1)OCC#CCCOCCOCCOCCOCCN=[N+]=[N-]
Form	Solid
Purity	95%
Identity	Confirmed by NMR.
Applications	This compound is valuable in bioconjugation reactions, especially for the modification of biomolecules with specific functionalities. The azide group enables specific coupling, and the PEG moiety enhances solubility. It can be used in the development of targeted therapeutics or diagnostic tools.

Storage Store at -20°C.
