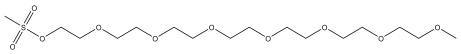
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Amine/Azide PEG reagent, Bromoacetamido-PEG4-azide, Purity 98%



Cat. No.: X24-09-YYX364

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

Synonym: Bromoacetamido-Polyethylene Glycol 4-azide; Bromoacetamide-PEG4-azide; PEG4-azide with bromoacetamido group; Bromoacetamido-PEG4-diazide

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

Product Information

Description	Bromoacetamido-PEG4-azide is a heterobifunctional PEG linker that features both a reactive bromoacetamido group and a terminal azide. The bromoacetamido moiety is highly reactive for nucleophilic substitution reactions. Additionally, the azide can engage in click chemistry with alkynes, BCN, and DBCO.
Molecular Weight	383.2
Molecular Formula	$C_{12}H_{23Br}N_4O_5$
Functional Group 1	Azide
Functional Group 2	Amine
Functional Group 3	Bromine
Reactive Group 1	Alkynyl
Reactive Group 2	Acid
Reactive Group 3	Alkynyl
IUPAC Name	*N*-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethyl]-2-bromoacetamide
InChI	InChI=1S/C12H23BrN4O5/c13-11-12(18)15-1-3-19-5-7-21-9-10-22-8-6-20-4-2-16-17-14/h1-11H2,(H,15,18)
InChI Key	ORSKDPOKNPSXDH-UHFFFAOYSA-N
Isomeric SMILES	C(COCCOCCOCCOCCN=[N+]=[N-])NC(=O)CBr
Form	Solid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	It can be employed to covalently attach biomolecules such as proteins, antibodies, or peptides to

	create bioconjugates. The bromoacetamido group reacts with thiol groups on biomolecules, and the azide group participates in click chemistry for specific modifications and functionalizations.
Storage	Store at -20°C.