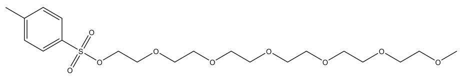
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Amine/Azide PEG reagent, *N*-(Amino-PEG23)-*N*-bis(PEG23-azide), Purity 98%



Cat. No.: X24-09-YYX344

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

Synonym: Amino-PEG23-bis(PEG23-azide); *N*-(Amino-Polyethylene Glycol 23)-*N*-bis(PEG23-azide); Amino-Polyethylene Glycol 23-*N*-bis(Polyethylene Glycol 23-azide); *N*-(Amino-PEG23)-*N*-bis(azido-PEG23)

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

Product Information

Description	*N*-(Amino-PEG23)-*N*-bis(PEG23-azide) is a branched PEGylation reagent that features an amino group along with two azide groups. The amino group can react with carboxylic acids and activated NHS esters. Additionally, the azide moiety is capable of reacting with alkynes, BCN, and DBCO through click chemistry to form stable triazole linkages.
Molecular Weight	3237.9
Molecular Formula	$C_{144}H_{290}N_8O_{69}$
Functional Group 1	Amine
Functional Group 2	Azide
Functional Group 3	None
Reactive Group 1	Acid
Reactive Group 2	Alkyne
IUPAC Name	2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[Bis[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethyl]amino]ethoxy]ethanamine
InChI	InChI=1S/C144H290N8O69/c145-1-7-153-13-19-159-25-31-165-37-43-171-49-55-177-61-67-183-73-79-189-85-91-195-97-103-201-109-115-207-121-127-213-133-139-219-142-136-216-130-124-210-118-112-204-106-100-198-94-88-192-82-76-186-70-64-180-58-52-174-46-40-168-34-28-162-22-16-156-10-4-152(5-11-157-17-23-163-29-35-169-41-47-175-53-59-181-65-71-187-77-83-193-89-95-199-101-107-205-113-119-211-125-131-217-137-143-220-140-134-214-128-122-208-116-110-202-104-98-196-92-86-190-80-74-184-68-62-178-56-50-172-44-38-166-32-26-160-20-14-154-8-2-148-150-146)6-12-158-18-24-164-30-36-170-42-48-176-54-60-182-66-72-188-78-84-194-90-96-200-102-108-206-114-120-212-126-132-218-138-144-221-141-135-215-129-123-209-117-111-203-105-99-197-9

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	3-87-191-81-75-185-69-63-179-57-51-173-45-39-167-33-27-161-21-15-155-9-3-149-151-147/h1-145H2
InChI Key	OBTNGGSFDYXWGE-UHFFFAOYSA-N
Isomeric SMILES	C(COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN(CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-])CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-])N
Form	Solid
Purity	98%
Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	In the field of biomaterials, it can be used to modify the surface of implants or scaffolds to improve cell adhesion and biocompatibility.
Storage	Store at -20°C.

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