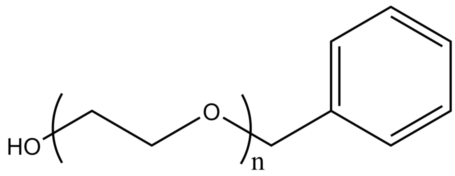
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Azide/Carboxylic acid PEG reagent, Azido-PEG36-acid, Purity 98%



Cat. No.: X24-09-YYX447

Size: 50 mg; 100 mg; 250 mg; 500 mg

Synonym: N_3-PEG36-COOH; 3-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[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]propanoic acid

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

Product Information

Description	Azido-PEG36-acid is an aqueous-soluble monodisperse PEG reagent featuring an azide group along with a terminal carboxylic acid. This azide functionality can engage in reactions with alkyne compounds like BCN or DBCO through click chemistry processes. Moreover, the terminal carboxylic acid has the ability to react with primary amines when activated by agents such as EDC or HATU to form stable amide bonds.
Molecular Weight	1701
Molecular Formula	$C_{75}H_{149}N_3O_{38}$
Functional Group 1	Acid
Functional Group 2	Azide
Functional Group 3	None
Reactive Group 1	Amine
Reactive Group 2	Alkyne
IUPAC Name	3-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[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]propanoic acid
InChI	InChI=1S/C75H149N3O38/c76-78-77-2-4-82-6-8-84-10-12-86-14-16-88-18-20-90-22-24-92-26-28-94-30-32-96-34-36-98-38-40-100-42-44-102-46-48-104-50-52-106-54-56-108-58-60-110-62-64-112-66-68-114-70-72-116-74-73-115-71-69-113-67-65-111-63-61-109-59-57-107-55-53-105-51-49-103-47-45-101-43-41-99-39-37-97-35-33-95-31-29-93-27-25-91-23-21-89-19-17-87-15-13-85-11-9-83-7-5-81-3-1-75(79)80/h1-74H2,(H,79,80)

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InChI Key	OMOJZHCLFGVJEE-UHFFFAOYSA-N
Isomeric SMILES	C(COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-])C(=O)O
Form	Solid
Purity	98%
Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	It can also be applied in the development of biomaterials for tissue engineering or as a coating for medical devices to improve biocompatibility.
Storage	Store at -20°C.

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