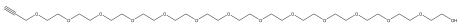
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Amine/Carboxylic acid PEG reagent, Amino-PEG4-CH_2CO_2H, Purity 98%



Cat. No.: X24-09-YYX022

Size: 250 mg; 500 mg; 1 g

CAS Number: 195071-49-9

PubChem CID: 18508832

Synonym: 195071-49-9; Amino-PEG4-CH_2COOH; H_2N-PEG4-CH_2COOH; Amino-PEG4-acetic acid

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

Product Information

Description	Amino-PEG4-CH_2CO_2H is a PEG linker that contains an amino group and ends with a carboxylic acid. The hydrophilic PEG spacer increases solubility in water-based solutions. The amino group can react with carboxylic acids, activated NHS esters, and carbonyls (such as ketones and aldehydes). The terminal carboxylic acid can form a stable amide bond when reacted with primary amine groups in the presence of activators.
Molecular Weight	251.3
Molecular Formula	$C_{10}H_{21}NO_6$
Functional Group 1	Acid
Functional Group 2	Amine
Functional Group 3	None
Reactive Group 1	Amine
Reactive Group 2	Acid
IUPAC Name	2-[2-[2-[2-(2-Aminoethoxy)ethoxy]ethoxy]ethoxy]acetic acid
InChI	InChI=1S/C10H21NO6/c11-1-2-14-3-4-15-5-6-16-7-8-17-9-10(12)13/h1-9,11H2,(H,12,13)
InChI Key	NPRAKTLKDKKZAV-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCOCC(=O)O)N
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	Amino-PEG4-CH_2CO_2H is often employed in the conjugation of biomolecules and the synthesis of biocompatible polymers.

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Storage	Store at -20°C.