

Product Information

Amine/Carboxylic acid PEG reagent, Amino-PEG3-acid, Purity 98%

Cat. No.: X24-09-YYX018

Size: 250 mg; 500 mg; 1 g; 5 g

CAS Number: 784105-33-5

PubChem CID: 11608245

Synonym: 784105-33-5; 3-(2-(2-(2-aminoethoxy)ethoxy)ethoxy)propanoic acid;

Amino-PEG3-C₂-acid; NH₂-PEG3-cooh

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



Product Information

Description	This product consists of an amino group and a PEG3 chain along with an acid functionality. The amino group enables conjugation reactions, the PEG3 chain enhances solubility, and the acid group provides a reactive site for further chemical modifications. It is useful in various chemical and biological applications.
Molecular Weight	221.3
Molecular Formula	C ₉ H ₁₉ NO ₅
Functional Group 1	Acid
Functional Group 2	Amine
Functional Group 3	None
Reactive Group 1	Amine
Reactive Group 2	Acid
IUPAC Name	3-[2-[2-(2-Aminoethoxy)ethoxy]ethoxy]propanoic acid
InChI	InChI=1S/C9H19NO5/c10-2-4-14-6-8-15-7-5-13-3-1-9(11)12/h1-8,10H2,(H,11,12)
InChI Key	XUQZKSCQPMNDEY-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCN)C(=O)O
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	Amino-PEG3-acid is often utilized in the modification of small molecules and nanoparticles to enhance their solubility and biocompatibility. It can also be used in the synthesis of biocompatible polymers.

Storage

Store at -20°C.
