SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
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Product Information

Carboxylic acid PEG reagent, Bis-PEG11-acid, Purity 98%

Cat. No.: X24-03-YW0097

Size: 500 mg; 1 g; 2 g

CAS Number: 2097010-30-3

PubChem CID: 91757830

Synonym: 2097010-30-3;

4,7,10,13,16,19,22,25,28,31,34-Undecaoxaheptatriacontanedioic acid;

AKOS040743069

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

Product Information

Description	Bis-PEG11-acid features two terminal carboxylic acid groups and a hydrophilic PEG spacer, enhancing its solubility in aqueous environments.
Molecular Weight	602.7
Molecular Formula	$C_{26}H_{50}O_{15}$
Functional Group 1	Carboxylic acid
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Amine
IUPAC Name	3-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-Carboxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoic acid
InChI	InChI=1S/C26H50O15/c27-25(28)1-3-31-5-7-33-9-11-35-13-15-37-17-19-39-21-23-41-24-22-40-20-18-38-16-14-36-12-10-34-8-6-32-4-2-26(29)30/h1-24H2,(H,27,28)(H,29,30)
InChI Key	MMKYGEBIUHVZNI-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCC(=O)O)C(=O)O
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	Bis-PEG11-acid is commonly used in bioconjugation chemistry for the synthesis of various conjugates. Its terminal carboxylic acid groups can be activated using agents like EDC or HATU to form stable amide bonds with primary amine groups, facilitating the creation of customized

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	biomolecular constructs and drug delivery systems.
Storage	Store at -20°C