

Product Information

NHS PEG reagent, Bis-PEG6-NHS ester, Purity 98%

Cat. No.: X24-09-YYX180

Size: 100 mg; 500 mg; 1 g

MDL: MFCD24539464

CAS Number: 1526718-98-8

PubChem CID: 77078424

Synonym: 1526718-98-8; Bis-PEG6-NHS ester; BIS-PEG6-NHSESTER; MFCD24539464; bis(2,5-dioxopyrrolidin-1-yl) 4,7,10,13,16,19-hexaoxadocosanedioate

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

Product Information

Description	Bis-PEG6-NHS ester serves as a PEG linker characterized by two NHS esters. The NHS esters allow for crosslinking or conjugation with amine-containing substances. This compound is often utilized in the synthesis of polymeric materials and in the modification of biomolecules to achieve desired properties.
Molecular Weight	576.6
Molecular Formula	C ₂₄ H ₃₆ N ₂ O ₁₄
Functional Group 1	Ester
Functional Group 2	NHS
Functional Group 3	None
Reactive Group 1	Amine
IUPAC Name	(2,5-Dioxopyrrolidin-1-yl) 3-[2-[2-[2-[2-[3-(2,5-Dioxopyrrolidin-1-yl)oxy-3-oxopropoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C24H36N2O14/c27-19-1-2-20(28)25(19)39-23(31)5-7-33-9-11-35-13-15-37-17-18-38-16-14-36-12-10-34-8-6-24(32)40-26-21(29)3-4-22(26)30/h1-18H2
InChI Key	FDLGRFGWAMAWTE-UHFFFAOYSA-N
Canonical SMILES	C1CC(=O)N(C1=O)OC(=O)CCOCCOCCOCCOCCOCCOCC(=O)ON2C(=O)CCC2=O
Form	Solid or viscous liquid
Purity	98%
Solubility	DMSO, DCM

Identity	Confirmed by NMR.
Applications	This compound acts as a crosslinking agent, facilitating the formation of more complex bioconjugates by connecting two different biomolecules through the PEG linker, improving the pharmacokinetics and stability of therapeutics.
Storage	Store at -20°C.