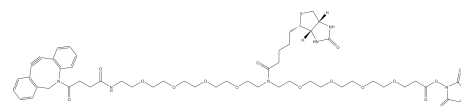


NHS PEG reagent, Bis-PEG9-NHS ester, Purity 95%

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



Description	Bis-PEG9-NHS ester is a compound with two PEG9 chains each terminated with an NHS ester. It is often used in crosslinking reactions to connect multiple molecules, especially in the field of biomaterials and bioconjugation. The long PEG9 chains provide increased flexibility and improved solubility.
Molecular Weight	708.7
Molecular Formula	C ₃₀ H ₄₈ N ₂ O ₁₇
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-[2-[2-[2-[3-(2,5-Dioxopyrrolidin-1-yl)oxy-3-oxopropoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C30H48N2O17/c33-25-1-2-26(34)31(25)48-29(37)5-7-39-9-11-41-13-15-43-17-19-45-21-23-47-24-22-46-20-18-44-16-14-42-12-10-40-8-6-30(38)49-32-27(35)3-4-28(32)36/h1-24H2
InChI Key	CQWLSZJYTZVHMU-UHFFFAOYSA-N
Canonical SMILES	C1CC(=O)N(C1=O)OC(=O)CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCC(=O)ON2C(=O)CCC2=O
Form	Solid or viscous liquid
Purity	95%
Solubility	DMSO, DCM, DMF

Identity	Confirmed by NMR.
Applications	Bis-PEG9-NHS ester is utilized for linking biomolecules, especially in the preparation of stable conjugates for drug delivery systems. This compound can crosslink two different active agents or macromolecules, enhancing the pharmacokinetic properties of drugs and improving efficacy.
Storage	Store at -20°C.