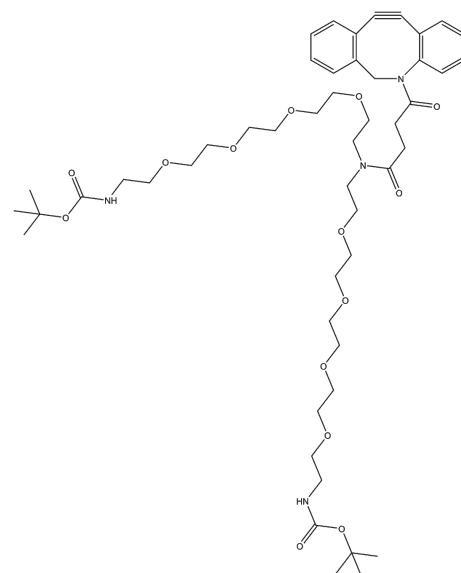


NHS PEG reagent, Bis-PEG12-NHS ester, Purity 97%

Size: 100 mg; 250 mg; 500 mg

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



Description	Bis-PEG12-NHS ester consists of two PEG12 chains each terminated with an NHS ester group. The presence of the long PEG12 chains provides increased flexibility and improved solubility. The NHS esters enable crosslinking or conjugation with amine-containing substances. This compound is often utilized in the synthesis of polymeric materials, modification of biomolecules for enhanced stability and functionality, and in the creation of biocompatible coatings.
Molecular Weight	840.9
Molecular Formula	C ₃₆ H ₆₀ N ₂ O ₂₀
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-[2-[2-[3-(2,5-Dioxopyrrolidin-1-yl)oxy-3-oxopropoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C36H60N2O20/c39-31-1-2-32(40)37(31)57-35(43)5-7-45-9-11-47-13-15-49-17-19-51-21-23-53-25-27-55-29-30-56-28-26-54-24-22-52-20-18-50-16-14-48-12-10-46-8-6-36(44)58-38-33(41)3-4-34(38)42/h1-30H2
InChI Key	ZLKOMOFBMCZXDH-UHFFFAOYSA-N
Isomeric SMILES	C1CC(=O)N(C1=O)OC(=O)CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCC(=O)ON2C(=O)CCC2=O

Form	Solid or viscous liquid
Purity	97%
Identity	Confirmed by NMR.
Applications	This compound can find applications in areas such as drug delivery, biomaterials development, and bioconjugation studies, enabling the modification and functionalization of biomolecules and surfaces.
Storage	Store at -20°C.