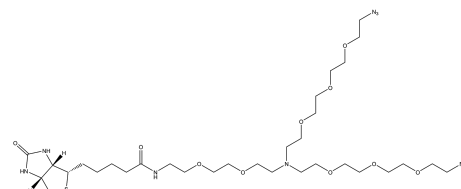


NHS PEG reagent, Bis-PEG17-NHS ester, Purity 98%

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



Description	Bis-PEG17-NHS ester serves as yet another PEG linker featuring two NHS esters. The presence of its hydrophilic PEG spacer enhances solubility in aqueous solutions, making this compound useful for labeling primary amines t-found in proteins or other related substances containing amino functionalities like modified oligonucleotides.
Molecular Weight	1061.1
Molecular Formula	C ₄₆ H ₈₀ N ₂ O ₂₅
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	98%
Identity	Confirmed by NMR.
Applications	Bis-PEG17-NHS ester find application in the creation of complex polymer structures and the modification of large biomolecules for specific purposes.

Storage

Store at -20°C.
