

NHS PEG reagent, Bis-PE21 NHS ester, Purity 97%

OCCOCCOCCOCCOCCNCCOCCOCCOCCOCCOCCOCCOCCOCC

CAS Number: 2221948-98-5

PubChem CID: 77078480

Synonym: 2221948-98-5; Bis-PEG21-NHS ester; Bis-PEG21-NHS ester; Nhs-dpeg(tm)(21)-nhs; Bis-PEG21- NHS ester

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

Product Information

Description	Bis-PE21-NHS ester acts as another PEG linker characterized by two NHS esters. Its hydrophilic PEG spacer increases solubility in aqueous environments while enabling the labeling of primary amines <i>t</i> -found within proteins or other substances containing amino functionalities like modified oligonucleotides.
Molecular Weight	1237.4
Molecular Formula	C ₅₄ H ₉₆ N ₂ O ₂₉
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)C COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCC(=O)ON2C(=O)CCC2=O
Form	Solid or viscous liquid
Purity	97%
Identity	Confirmed by NMR.
Applications	Bis-PE21 NHS ester could find application in the synthesis of complex polymers and the modification of large biomolecules for specialized purposes.

Storage

Store at -20°C.
