

NHS PEG reagent, m-PEG9-NHS ester, Purity 98%

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

Description	m-PEG9-NHS ester acts as another PEG linker incorporating an NHS ester moiety that can label primary amines <i>t</i> -found in proteins, modified oligonucleotides with amino groups, and various other related substances. It is commonly employed in the formulation of drug delivery systems and in the modification of biomaterials.
Molecular Weight	553.6
Molecular Formula	C ₂₄ H ₄₃ NO ₁₃
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-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C24H43NO13/c1-29-6-7-31-10-11-33-14-15-35-18-19-37-21-20-36-17-16-34-13-12-32-9-8-30-5-4-24(28)38-25-22(26)2-3-23(25)27/h2-21H2,1H3
InChI Key	PHNXKFXTQIHOC-LUHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCOCCOCCOCCOCCOCCOCCC(=O)ON1C(=O)CCC1=O
Form	Solid or viscous liquid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.

Applications	This compound is utilized for bioconjugation purposes. Its hydrophilic nature enhances solubility in buffers and biological media, making it suitable for attaching to various biomolecules.
Storage	Store at -20°C.