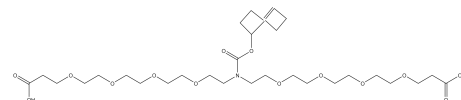


NHS PEG reagent, m-PEG11-NHS ester, Purity 98%

Size: 500 mg; 1 g; 2 g

Synonym: mPEG10-CH₂CH₂COONHS ester; (2,5-dioxopyrrolidin-1-yl) 3-[2-[2-[2-[2-[2-[2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate

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



Description	m-PEG11-NHS ester is a PEG linker that includes an NHS ester. This NHS ester can be utilized for labeling primary amines <i>t</i> -found in proteins, amine-modified oligonucleotides, and other molecules containing amino groups. The hydrophilic PEG spacer enhances solubility in aqueous solutions.
Molecular Weight	641.7
Molecular Formula	C ₂₈ H ₅₁ NO ₁₅
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-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C28H51NO15/c1-33-6-7-35-10-11-37-14-15-39-18-19-41-22-23-43-25-24-42-21-20-40-17-16-38-13-12-36-9-8-34-5-4-28(32)44-29-26(30)2-3-27(29)31/h2-25H2,1H3
InChI Key	HYDAGTBASRKVKQ-UHFFFAOYSA-N
Isomeric SMILES	COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCC(=O)ON1C(=O)CCC1=O
Form	Solid or viscous liquid
Purity	98%
Identity	Confirmed by NMR.
Applications	m-PEG11-NHS ester can be applied in the PEGylation of proteins and other biomolecules to enhance their stability, solubility, and circulation time.
Storage	Store at -20°C.