

Product Information

NHS PEG reagent, m-PEG6-NHS ester, Purity 98%

Cat. No.: X24-09-YYX203

Size: 500 mg; 1 g; 2 g

CAS Number: 1449390-12-8

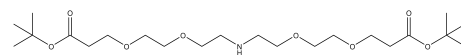
PubChem CID: 77078253

Synonym: 1449390-12-8; m-PEG6-NHS ester; m-PEG6 NHS ester;

mPEG5-CH₂CH₂COONHS ester; 2,5-dioxopyrrolidin-1-yl

2,5,8,11,14,17-hexaoxaicosan-20-oate

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



Product Information

Description	m-PEG6-NHS ester acts as another PEG linker characterized by its inclusion of an NHS ester group. This NHS ester enables labeling of primary amines <i>t</i> -located within proteins, modified oligonucleotides, and various other molecules containing amino groups.
Molecular Weight	421.4
Molecular Formula	C ₁₈ H ₃₁ NO ₁₀
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-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C18H31NO10/c1-23-6-7-25-10-11-27-14-15-28-13-12-26-9-8-24-5-4-18(22)29-19-16(20)2-3-17(19)21/h2-15H2,1H3
InChI Key	KIIPLYSZOISNAS-UHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCOCCOCCOCC(=O)ON1C(=O)CCC1=O
Form	Solid or viscous liquid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	m-PEG6-NHS ester is employed in the PEGylation of proteins and nanoparticles to improve their stability and pharmacokinetic properties.

Storage

Store at -20°C.
