

Product Information

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

Cat. No.: X24-09-YYX159

Size: 50 mg; 100 mg; 250 mg; 500 mg

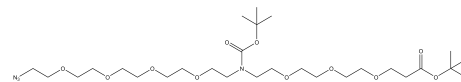
CAS Number: 174569-25-6

PubChem CID: 51340984

Synonym: 174569-25-6; 2,5-Dioxopyrrolidin-1-yl 3-(2-methoxyethoxy)propanoate;
1127247-34-0; m-PEG2-NHS ester; Methoxy-PEG-propionicacid-N-succinimidylester;
(2,5-dioxopyrrolidin-1-yl) 3-(2-methoxyethoxy)propanoate;

3-(2-Methoxyethoxy)propanoic acid succinimidyl ester; mPEG1-CH₂CH₂COONHS

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



Product Information

Description	m-PEG17-NHS ester is a molecule with a long PEG17 chain and an NHS ester group. It is commonly utilized to increase the hydrophilicity and biocompatibility of molecules when conjugated. It finds applications in drug delivery and modification of biomolecules.
Molecular Weight	906
Molecular Formula	C ₄₀ H ₇₅ NO ₂₁
Functional Group 1	NHS
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Amine
IUPAC Name	(2,5-Dioxopyrrolidin-1-yl) 3-(2-methoxyethoxy)propanoate
InChI	InChI=1S/C10H15NO6/c1-15-6-7-16-5-4-10(14)17-11-8(12)2-3-9(11)13/h2-7H2,1H3
InChI Key	IMSXKORGQVQCNT-UHFFFAOYSA-N
Canonical SMILES	COCCOCCC(=O)ON1C(=O)CCC1=O
Form	Solid or viscous liquid
Purity	98%
Identity	Confirmed by NMR.
Applications	This compound is utilized for conjugating biomolecules, enhancing their properties such as solubility, stability, and circulation time in biological systems.
Storage	Store at -20°C.

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