

Product Information

NHS PEG reagent, m-PEG3-NHS ester, Purity 98%

Cat. No.: X24-09-YYX198

Size: 100 mg; 500 mg; 1 g

CAS Number: 876746-59-7

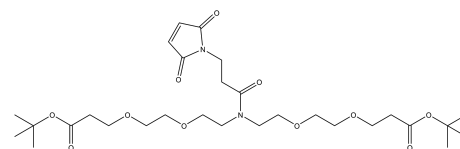
PubChem CID: 51340898

Synonym: 876746-59-7; m-PEG3-NHS ester; mPEG3 NHS ester;

2,5-Dioxopyrrolidin-1-yl 3-(2-(2-methoxyethoxy)ethoxy)propanoate;

mPEG2-CH₂CH₂COONHS ester

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



Product Information

Description	m-PEG3-NHS ester is a PEG linker that includes an NHS ester functionality. 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 nature of the PEG spacer enhances solubility in aqueous solutions.
Molecular Weight	289.3
Molecular Formula	C ₁₂ H ₁₉ NO ₇
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-methoxyethoxy)ethoxy]propanoate
InChI	InChI=1S/C12H19NO7/c1-17-6-7-19-9-8-18-5-4-12(16)20-13-10(14)2-3-11(13)15/h2-9H2,1H3
InChI Key	TYCOYHPJUNAABD-UHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCC(=O)ON1C(=O)CCC1=O
Form	Solid or viscous liquid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	m-PEG3-NHS ester is often utilized in the PEGylation of proteins and peptides to increase their stability and circulation time in the body.

Storage

Store at -20°C.
