

Product Information

Fmoc-protected Amine/NHS PEG reagent, Fmoc-N-methyl-PEG4-NHS ester, Purity 98%

Cat. No.: X24-09-YYX207

Size: 50 mg; 100 mg; 250 mg

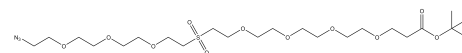
CAS Number: 2228857-30-3

PubChem CID: 134159731

Synonym: 2228857-30-3; Fmoc-NMe-PEG4-NHS ester; 2,5-Dioxopyrrolidin-1-yl

1-(9H-fluoren-9-yl)-4-methyl-3-oxo-2,7,10,13,16-pentaoxa-4-azanonadecan-19-oate

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



Product Information

Description	Fmoc-N-methyl-PEG4-NHS ester serves as a PEG linker incorporating an Fmoc-protected amino group along with an NHS ester functionality. Its hydrophilic PEG spacer improves water solubility when dissolved in aqueous media. The Fmoc protecting group can be removed under basic conditions to yield free amines suitable for further conjugation reactions.
Molecular Weight	598.7
Molecular Formula	C ₃₁ H ₃₈ N ₂ O ₁₀
Functional Group 1	Ester
Functional Group 2	Fmoc
Functional Group 3	NHS
Reactive Group 1	Amine
IUPAC Name	(2,5-Dioxopyrrolidin-1-yl) 3-[2-[2-[2-[9H -fluoren-9-ylmethoxycarbonyl(methyl)amino]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C31H38N2O10/c1-32(31(37)42-22-27-25-8-4-2-6-23(25)24-7-3-5-9-26(24)27)13-15-39-17-19-41-21-20-40-18-16-38-14-12-30(36)43-33-28(34)10-11-29(33)35/h2-9,27H,10-22H2,1H3
InChI Key	GDTKRPKAACWJRV-UHFFFAOYSA-N
Canonical SMILES	CN(CCOCCOCCOCCOCCOCC(=O)ON1C(=O)CCC1=O)C(=O)OCC2C3=CC=CC=C3C4=CC=CC=C24
Form	Solid or viscous liquid
Purity	98%
Solubility	DMSO, DCM, DMF

Identity	Confirmed by NMR.
Applications	Fmoc-NMe-PEG4-NHS ester is often utilized in peptide synthesis and the modification of peptides to incorporate PEG chains and specific protecting groups.
Storage	Store at -20°C.