

Product Information

Fmoc-protected Amine/NHS PEG reagent, Fmoc-PEG6-NHS ester, Purity 98%

Cat. No.: X24-09-YYX215

Size: 100 mg; 250 mg; 500 mg; 1 g

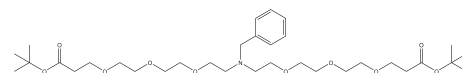
CAS Number: 1818294-31-3

PubChem CID: 77078440

Synonym: 1818294-31-3; Fmoc-PEG6-NHS ester; FmocNH-PEG6-NHS ester;

FMOC-PEG6-NHSESTER; Fmoc-NH-PEG6-NHS

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



Product Information

Description	Fmoc-PEG6-NHS ester is a PEG linker that features an Fmoc-protected amine along with an NHS ester. The hydrophilic PEG spacer enhances solubility in aqueous solutions. The Fmoc group can be removed under basic conditions to yield free amines, which are suitable for further conjugation reactions. This NHS ester can label primary amines <i>t</i> -found in proteins, amine-modified oligonucleotides, and other molecules containing amino groups.
Molecular Weight	672.7
Molecular Formula	C ₃₄ H ₄₄ N ₂ O ₁₂
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-[2-[2-(9H -fluoren-9-ylmethoxycarbonylamino)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C34H44N2O12/c37-31-9-10-32(38)36(31)48-33(39)11-13-41-15-17-43-19-21-45-23-24-46-22-20-44-18-16-42-14-12-35-34(40)47-25-30-28-7-3-1-5-26(28)27-6-2-4-8-29(27)30/h1-8,30H,9-25H2,(H,35,40)
InChI Key	KFJXLDJJJQTGL-UHFFFAOYSA-N
Canonical SMILES	C1CC(=O)N(C1=O)OC(=O)CCOCCOCCOCCOCCOCCOCCNC(=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-PEG6-NHS ester is frequently used in peptide synthesis for adding PEG chains and protecting amino groups during the process.
Storage	Store at -20°C.