

Product Information

Fmoc-protected Amine/NHS PEG reagent, Fmoc-PEG3-NHS ester, Purity 98%

Cat. No.: X24-09-YYX167

Size: 100 mg; 500 mg; 1 g

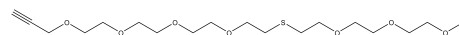
CAS Number: 1352827-47-4

PubChem CID: 58572163

Synonym: 1352827-47-4; Fmoc-PEG3-NHS ester; Fmoc-PEG3-C₂-NHS ester;

FmocNH-PEG3-NHS ester; FMOC-PEG3-NHSESTER

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



Product Information

Description	Fmoc-PEG3-NHS ester has a Fmoc protecting group, a PEG3 chain, and an NHS ester. It is often used in peptide synthesis and bioconjugation processes, where the Fmoc group provides protection and the PEG3 chain influences solubility and reactivity.
Molecular Weight	540.6
Molecular Formula	C ₂₈ H ₃₂ N ₂ O ₉
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-ylmethoxycarbonylamino)ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C28H32N2O9/c31-25-9-10-26(32)30(25)39-27(33)11-13-35-15-17-37-18-16-36-14-12-29-28(34)38-19-24-22-7-3-1-5-20(22)21-6-2-4-8-23(21)24/h1-8,24H,9-19H2,(H,29,34)
InChI Key	KMYBRMLPVIWJEW-UHFFFAOYSA-N
Canonical SMILES	C1CC(=O)N(C1=O)OC(=O)CCOCCOCCOCCNC(=O)OCC2C3=CC=CC=C3C4=CC=CC=C24
Form	Solid or viscous liquid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	The Fmoc (fluorenylmethoxycarbonyl) group allows for easy protection and deprotection of amines during peptide synthesis. This compound is useful in synthesizing peptide-PEG conjugates,

enhancing solubility and bioavailability of peptides.

Storage

Store at -20°C.