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Product Information

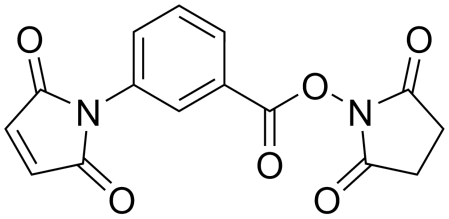
Boc-protected amine/Ethoxymethyl/Propargyl PEG reagent, *N*-(Boc-PEG3)-*N*-bis-(PEG3-amino-Tri-(propargyl-PEG2-ethoxymethyl)-methane), Purity 95%

Cat. No.: X24-10-WXX136

Size: 50 mg; 100 mg

Synonym: Boc-protected amine/Ethoxymethyl/Propargyl PEG reagent; *N*-(Boc-PEG3)-*N*-bis-(PEG3-amino-Tri-(propargyl-PEG2-ethoxymethyl)-methane)

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



Product Information

Description	*N*-(Boc-PEG3)-*N*-bis-(PEG3-amino-Tri-(propargyl-PEG2-ethoxymethyl)-methane) is a reagent grade crosslinker consisting of six propargyl groups and a *t*-Boc protected aminooxy group. The propargyl groups form triazole linkage with azide-bearing biomolecules or compounds *via*- copper-catalyzed click chemistry. The protected amine is deprotected under acidic conditions. The hydrophilic PEG spacer increases solubility in aqueous media.
Molecular Weight	2090.5
Molecular Formula	$C_{99}H_{168}N_{10}O_{37}$
Functional Group 1	Boc-protected amine
Functional Group 2	Ethoxymethyl
Functional Group 3	Propargyl
Reactive Group 1	Azide
Form	Solid
Purity	95%
Identity	Confirmed by NMR.
Applications	*N*-(Boc-PEG3)-*N*-bis-(PEG3-amino-Tri-(propargyl-PEG2-ethoxymethyl)-methane) is useful in bioconjugation strategies where protecting groups are advantageous during synthesis. Once deprotected, the amines form stable conjugates with various biomolecules, suitable for drug delivery and imaging applications.
Storage	Store at -20°C.