

Product Information

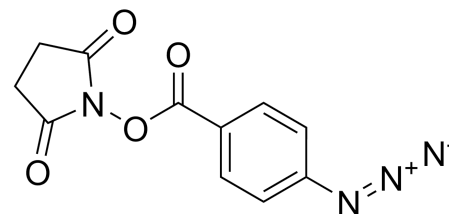
Boc-protected amine/Propargyl PEG reagent, *N*-(Propargyl-PEG2)-PEG3-*N*-Boc, Purity 98%

Cat. No.: X24-10-WXX143

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

Synonym: Boc-protected amine/Propargyl PEG reagent; *N*

-*(Propargyl-PEG2)-PEG3-N-Boc*



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

Product Information

Description	<i>N</i> -(Propargyl-PEG2)-PEG3- <i>N</i> -Boc is a reagent grade branched PEG linker with a <i>t</i> -butyl ester and an alkyne group, designed for copper-catalyzed azide-alkyne click chemistry reactions with azide-bearing compound. The amino group is reactive with activated NHS esters, carboxylic acids, and carbonyls.
Molecular Weight	418.5
Molecular Formula	C ₂₀ H ₃₈ N ₂ O ₇
Functional Group 1	Boc-protected amine
Functional Group 2	Propargyl
Functional Group 3	None
Reactive Group 1	Azide
Form	Solid
Purity	98%
Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	<i>N</i> -(Propargyl-PEG2)-PEG3- <i>N</i> -Boc is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions with azide-bearing compounds, making it ideal for studying biomolecular interactions and developing targeted drug delivery systems.
Storage	Store at -20°C.