

Product Information

Propargyl/*t*-Boc-protected amine PEG reagent, *t*-Boc-*N*-amido-PEG6-propargyl, Purity 98%

Cat. No.: X24-10-WXX130

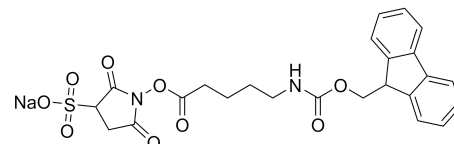
Size: 250 mg; 500 mg; 1 g

CAS Number: 1262991-52-5

PubChem CID: 126480486

Synonym: *t*-Boc-*N*-amido-PEG6-propargyl; 1262991-52-5; Boc-NH-PEG6-propargyl;

tert-butyl (3,6,9,12,15,18-hexaoxahenicos-20-yn-1-yl)carbamate; Propargyl-PEG6-NHBoc



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

Product Information

Description	<i>t</i> -Boc- <i>N</i> -amido-PEG6-propargyl is a reagent grade PEG linker used in copper-catalyzed click chemistry reactions with azides. The Boc group is removed under mild acidic conditions to yield the free amine.
Molecular Weight	419.5
Molecular Formula	C ₂₀ H ₃₇ NO ₈
Functional Group 1	Propargyl
Functional Group 2	<i>t</i> -Boc-protected amine
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	tert-butyl N-[2-[2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethyl]carbamate
InChI	InChI=1S/C20H37NO8/c1-5-7-23-9-11-25-13-15-27-17-18-28-16-14-26-12-10-24-8-6-21-19(22)29-20(2,3)4/h1H,6-18H2,2-4H3,(H,21,22)
InChI Key	DQBRWZSCEDQMRF-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)NCCOCCOCCOCCOCCOCCOCC#C
Form	Solid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	<i>t</i> -Boc- <i>N</i> -amido-PEG6-propargyl is used in molecular biology and bioconjugation research, facilitating

efficient copper-catalyzed click chemistry reactions with azides and enabling subsequent functionalization after Boc deprotection, making it ideal for studying biomolecular interactions and developing targeted drug delivery systems.

Storage

Store at -20°C.
