

## Product Information

### Boc-protected Amine/Hydroxy PEG reagent, *N*-Boc-*N*-bis(PEG4-OH), Purity 98%

**Cat. No.:** X24-10-WXX307

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

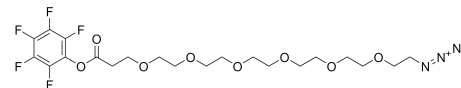
**CAS Number:** 2093154-02-8

**PubChem CID:** 126480492

**Synonym:** *N*-Boc-*N*-bis(PEG4-OH); *N*-Boc-*N*-bis-PEG5; 2093154-02-8;

DTXSID501103824; AKOS040742227

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



#### Product Information

<b>Description</b>	<i>N</i> -Boc- <i>N</i> -bis(PEG4-OH) is a reagent grade small PEG compound, the hydroxy groups is derivatized or replaced with other reactive functional groups. Under acidic conditions, <i>N</i> -Boc is removed.
<b>Molecular Weight</b>	557.7
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>51</sub> NO <sub>12</sub>
<b>Functional Group 1</b>	Boc-protected amine
<b>Functional Group 2</b>	Hydroxyl
<b>Functional Group 3</b>	None
<b>Reactive Group 1</b>	Azide
<b>IUPAC Name</b>	<i>tert</i> -butyl <i>N,N</i> -bis[2-[2-[2-(2-hydroxyethoxy)ethoxy]ethoxy]ethoxy]ethyl]carbamate
<b>InChI</b>	InChI=1S/C25H51NO12/c1-25(2,3)38-24(29)26(4-8-30-12-16-34-20-22-36-18-14-32-10-6-27)5-9-31-13-17-35-21-23-37-19-15-33-11-7-28/h27-28H,4-23H2,1-3H3
<b>InChI Key</b>	ORLQQCLGZAXNLD-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(C)(C)OC(=O)N(CCOCCOCCOCCOCCO)CCOCCOCCOCCOCCO
<b>Form</b>	Liquid
<b>Purity</b>	98%
<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	<i>N</i> -Boc- <i>N</i> -bis(PEG4-OH) has specific functionalities for a wide range of drug delivery, bioconjugation, and materials science applications, particularly in targeted therapeutics and bioimaging.
<b>Storage</b>	Store at -20°C.