Product Information

Boc-protected amine/Hydroxyl PEG reagent, N-Boc-PEG10-alcohol, Purity 98%

Cat. No.: X24-03-YW0733

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

CAS Number: 2238844-74-9
PubChem CID: 138393104

Synonym: 2238844-74-9; N-Boc-PEG10-alcohol; BocNH-PEG10-OH

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

Product Information Description N-Boc-PEG10-alcohol is a PEG linker featuring a terminal hydroxyl group and a Boc-protected amino group. The Boc group provides acid-labile protection, enabling controlled deprotection to release the amine functionality. The PEG10 spacer enhances water solubility and hydrophilicity, while the hydroxyl group supports versatile chemical modifications. **Molecular Weight** 557.7 Molecular Formula C₂₅H₅₁NO₁₂ **Functional Group 1** Boc-protected amine **Functional Group 2** Hydroxyl **Reactive Group 1** Acid **Reactive Group 2** Nucleophile **IUPAC Name** Tert-butyl Ν]ethyl]carbamate InChl InChI=1S/C25H51NO12/c1-25(2,3)38-24(28)26-4-6-29-8-10-31-12-14-33-16-18-35-20-22-37-23-21-36-19-17-34-15-13-32-11-9-30-7-5-27/h27H,4-23H2,1-3H3,(H,26,28) InChl Key SXDGEPYJPQXRBC-UHFFFAOYSA-N **Canonical SMILES** CC(C)(C)OC(=O)NCCOCCOCCOCCOCCOCCOCCOCCOCCO **Form** Oil 98% **Purity** Identity Confirmed by NMR. **Applications** N-Boc-PEG10-alcohol is utilized in research for synthesizing functionalized linkers and studying molecular interactions. Its hydroxyl group enables further derivatization, and the Boc-protected

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amine allows precise functionalization, making it ideal for designing hydrophilic materials, exploring
bioconjugation techniques, and creating advanced biomaterials.

Storage

Store at -20°C.