

Product Information

NHS PEG reagent, *t*-Butoxycarbonyl-PEG3-NHS ester, Purity 98%

Cat. No.: X24-09-YYX162

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

Synonym: Boc-PEG3-NHS; *t*-butoxycarbonyl-Polyethylene Glycol 3-NHS; Boc-Polyethylene Glycol 3-NHS ester; *t*-Butoxycarbonyl-PEG-NHS

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



Product Information

Description	<i>t</i> -Butoxycarbonyl-PEG3-NHS ester is a distinctive chemical compound. It incorporates a <i>t</i> -butoxycarbonyl (Boc) protecting group and a polyethylene glycol (PEG) chain of length 3, along with an NHS ester functionality. The Boc group provides protection during synthesis or reactions. The PEG3 moiety enhances solubility and biocompatibility.
Molecular Weight	403.4
Molecular Formula	C ₁₈ H ₂₉ NO ₉
Functional Group 1	Ester
Functional Group 2	NHS
Functional Group 3	None
Reactive Group 1	Amine
Form	Solid or viscous liquid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	The reactive NHS ester enables conjugation with various molecules, making this compound useful in bioconjugation chemistry, drug development, and the modification of biomolecules or surfaces. Its well-defined structure and properties make it a valuable reagent in many areas of chemical and biomedical research.
Storage	Store at -20°C.