

Product Information

Amino PEG reagent, *N*-(*t*-butyl ester-PEG3)-*N*-bis(PEG3-amine), Purity 97%

Cat. No.: X24-03-YW0240

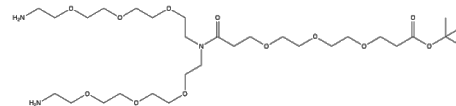
Size: 50 mg; 100 mg; 250 mg

CAS Number: 2183440-29-9

PubChem CID: 131709275

Synonym: 2183440-29-9; BP-23836; CS-0254662

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



Product Information

Description	<i>N</i> -(<i>t</i> -butyl ester-PEG3)- <i>N</i> -bis(PEG3-amine) is a compound comprising a <i>t</i> -butyl ester-terminated PEG3 and two PEG3 amine units. The <i>t</i> -butyl ester provides temporary protection for subsequent reactions.
Molecular Weight	655.8
Molecular Formula	C ₃₀ H ₆₁ N ₃ O ₁₂
Functional Group 1	Amino
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Carboxylic acid
Reactive Group 2	NHS
IUPAC Name	<i>Tert</i> -butyl 3-[2-[2-[2-[bis[2-[2-[2-(2-aminoethoxy)ethoxy]ethoxy]ethyl]amino]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C29H61N3O11/c1-29(2,3)43-28(33)4-10-34-16-22-40-25-19-37-13-7-32(8-14-38-20-26-41-23-17-35-11-5-30)9-15-39-21-27-42-24-18-36-12-6-31/h4-27,30-31H2,1-3H3
InChI Key	SCZXOTPJFNYIEA-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)CCOCCOCCOCCN(CCOCOCOCOCN)CCOCCOCCOCCN
Form	Liquid
Purity	97%
Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	<i>N</i> -(<i>t</i> -butyl ester-PEG3)- <i>N</i> -bis(PEG3-amine) can be used in bioconjugation chemistry to modify biomolecules. The <i>t</i> -butyl ester end ensures controlled reactivity, while the amino groups facilitate

conjugation with various functional groups.

Storage

Store at -20°C