

Product Information

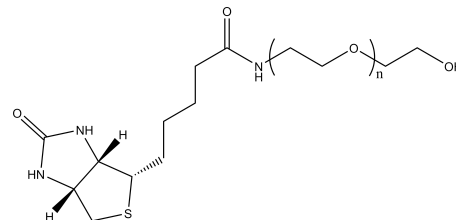
Azide PEG reagent, *N*-(*t*-butyl ester-PEG24)-*N*-bis(PEG23-azide), Purity 95%

Cat. No.: X24-09-YYX328

Size: 50 mg; 100 mg; 250 mg; 500 mg

Synonym: *t*-butyl PEG ester azide; Azide-terminated PEG derivatives; PEG-based *t*-butyl ester azide; Bis-azido PEG compound; PEG azide conjugate

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



Product Information

Description	The compound <i>N</i> -(<i>t</i> -butyl ester-PEG24)- <i>N</i> -bis(PEG23-azide) is a sophisticated organic molecule with distinct structural features. It incorporates a <i>t</i> -butyl ester group attached to a polyethylene glycol (PEG) chain consisting of 24 repeating units. Additionally, it has two PEG chains, each with 23 repeating units, terminated with azide groups. The long PEG chains contribute to enhanced solubility and biocompatibility.
Molecular Weight	3367.1
Molecular Formula	C ₁₅₁ H ₃₀₁ N ₇ O ₇₂
Functional Group 1	Azide
Functional Group 2	<i>t</i> -Butyl ester
Functional Group 3	None
Reactive Group 1	Alkynyl
Form	Solid
Purity	95%
Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	It can be employed in the synthesis of complex polymer architectures or for controlled functionalization of biomolecules.
Storage	Store at -20°C.