

Product Information

Azide/*t*-Butyl ester PEG reagent, Azidoethyl-PEG2-*t*-Butyl ester, Purity 98%

Cat. No.: X24-03-YW0457

Size: 100 mg; 250 mg

MDL: MFCD31561136

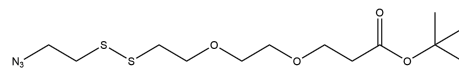
CAS Number: 2144777-83-1

PubChem CID: 131709283

Synonym: 2144777-83-1; Azidoethyl-PEG2-*t*-butyl ester; Azidoethyl-SS-PEG2-Boc;

AZIDOETHYL-PEG2-*t*-BUTYLESTER; MFCD31561136

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



Product Information

Description	Azidoethyl-PEG2- <i>t</i> -butyl ester is a reagent grade PEG linker containing a cleavable disulfide bond, an azide group, and a <i>t</i> -Butyl ester group.
Molecular Weight	351.5
Molecular Formula	C ₁₃ H ₂₅ N ₃ O ₄ S ₂
Functional Group 1	Azide
Functional Group 2	<i>t</i> -Butyl ester
Functional Group 3	None
Reactive Group 1	Alkyne
IUPAC Name	<i>Tert</i> -butyl 3-[2-[2-(2-azidoethyl)disulfanyl]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C13H25N3O4S2/c1-13(2,3)20-12(17)4-6-18-7-8-19-9-11-22-21-10-5-15-16-14/h4-11H2,1-3H3
InChI Key	HWZBIMRMCUSFIG-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)CCOCCOCCSSCCN=[N+]=[N-]
Form	Solid/liquid
Purity	98%
Identity	Confirmed by NMR.
Applications	Azidoethyl-PEG2- <i>t</i> -butyl ester is used in bioconjugation and molecular biology research, enabling Click Chemistry reactions with alkynes, DBCO, or BCN moieties, and providing controlled release through disulfide bond cleavage and deprotection of the <i>t</i> -Butyl ester group.
Storage	Store at -20°C.

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com
