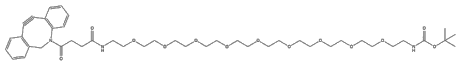
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

DBCO/Boc-protected Amine PEG reagent, DBCO-PEG9-NH-Boc, Purity 98%



Cat. No.: X24-03-YW0340

Size: 50 mg; 100 mg; 250 mg

PubChem CID: 138455136

Synonym: DBCO-PEG9-NH-Boc; AKOS040743216; BP-24343; HY-140292; CS-0114798

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

Product Information

Description	DBCO-PEG9-NH-Boc is a reagent grade click chemistry linker featuring a DBCO group for copper-free Click Chemistry reactions with azides and a Boc-protected amine that can be deprotected under acidic conditions.
Molecular Weight	844.0
Molecular Formula	$C_{44}H_{65}N_3O_{13}$
Functional Group 1	DBCO
Functional Group 2	Boc-protected amine
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	*Tert*-butyl *N* -[2-[2-[2-[2-[2-[2-[2-[2-[2-[[4-(2-azatricyclo[10.4.0.0^{4,9}]hexadeca-1(16),4,6,8,12,14-hexaen-10-yn-2-yl)-4-oxobutanoyl]amino]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethyl]carbamate
InChI	InChI=1S/C44H65N3O13/c1-44(2,3)60-43(50)46-17-19-52-21-23-54-25-27-56-29-31-58-33-35-59-34-32-57-30-28-55-26-24-53-22-20-51-18-16-45-41(48)14-15-42(49)47-36-39-10-5-4-8-37(39)12-13-38-9-6-7-11-40(38)47/h4-11H,14-36H2,1-3H3,(H,45,48)(H,46,50)
InChI Key	QMJGMMIRBYHKOK-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)NCCOCCOCCOCCOCCOCCOCCOCCOCCOCCNC(=O)CCC(=O)N1CC2=CC=CC=C2C#CC3=CC=CC=C31
Form	Solid/liquid
Purity	98%

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Identity	Confirmed by NMR.
Applications	DBCO-PEG9-NH-Boc is used for bioconjugation and labeling in biochemical and molecular biology research, enabling efficient copper-free Click Chemistry and subsequent reactions after Boc deprotection, useful in the study of biomolecular interactions and drug delivery systems.
Storage	Store at -20°C.