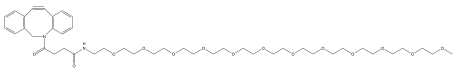
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

DBCO PEG reagent, m-PEG12-DBCO, Purity 98%



Cat. No.: X24-03-YW0427

Size: 100 mg; 250 mg; 500 mg

PubChem CID: 134159728

Synonym: m-PEG12-DBCO; AKOS040743436; BP-24032; MS-31566; HY-140317

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

Product Information

Description	m-PEG12-DBCO is a long chain click chemistry PEG reagent designed for copper-free Click Chemistry reactions with azides to form a stable triazole.
Molecular Weight	847.0
Molecular Formula	$C_{44}H_{66}N_2O_{14}$
Functional Group 1	DBCO
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	4-(2-Azatricyclo[10.4.0.0^{4,9}]hexadeca-1(16),4,6,8,12,14-hexaen-10-yn-2-yl)-*N* -[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy] ethoxy]ethoxy]ethoxy]ethyl]-4-oxobutanamide
InChI	InChI=1S/C44H66N2O14/c1-49-16-17-51-20-21-53-24-25-55-28-29-57-32-33-59-36-37-60-35-34-58-31-30-56-27-26-54-23-22-52-19-18-50-15-14-45-43(47)12-13-44(48)46-38-41-8-3-2-6-39(41)10-11-40-7-4-5-9-42(40)46/h2-9H,12-38H2,1H3,(H,45,47)
InChI Key	XOSOJWKHYZQWGG-UHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCNC(=O)CCC(=O)N1CC2=CC=CC=C2C#CC3=CC=CC=C31
Form	Clear oil
Purity	98%
Identity	Confirmed by NMR.
Applications	m-PEG12-DBCO is used in bioconjugation and molecular biology research, enabling efficient copper-free Click Chemistry reactions. It is ideal for applications where copper is a concern and DBCO-activated PEGylation is required.

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Storage	Store at -20°C.