

Product Information

DBCO PEG reagent, m-PEG4-DBCO, Purity 98%

Cat. No.: X24-03-YW0416

Size: 100 mg; 250 mg; 500 mg

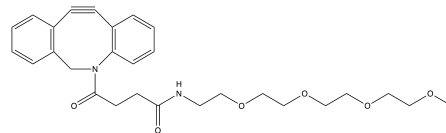
CAS Number: 2228857-36-9

PubChem CID: 134159730

Synonym: 2228857-36-9; m-PEG4-DBCO; m-PEG4-NH-DBCO; AKOS040743482;

BP-24030

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



Product Information

Description	m-PEG4-DBCO is a reagent grade click chemistry reagent designed to enable copper-free Click Chemistry with azides to form a stable triazole.
Molecular Weight	494.6
Molecular Formula	C ₂₈ H ₃₄ N ₂ O ₆
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-methoxyethoxy)ethoxy]ethoxy]ethyl]-4-oxobutanamide
InChI	InChI=1S/C28H34N2O6/c1-33-16-17-35-20-21-36-19-18-34-15-14-29-27(31)12-13-28(32)30-22-25-8-3-2-6-23(25)10-11-24-7-4-5-9-26(24)30/h2-9H,12-22H2,1H3,(H,29,31)
InChI Key	CUEOIOXVJZHLK-UHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCOCCNC(=O)CCC(=O)N1CC2=CC=CC=C2C#CC3=CC=CC=C31
Form	Clear liquid/solid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	m-PEG4-DBCO is used in bioconjugation and molecular biology research, enabling efficient copper-free Click Chemistry reactions. It is ideal for creating stable triazole linkages with azide-bearing

compounds.

Storage

Store at -20°C.