

Product Information

Amine/DBCO PEG reagent, DBCO-PEG4-amine, Purity 98%

Cat. No.: X24-03-YW0354

Size: 50 mg; 100 mg; 500 mg

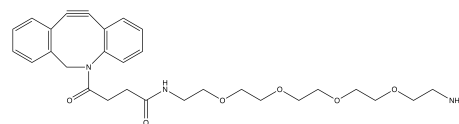
CAS Number: 1840886-10-3

PubChem CID: 77078150

Synonym: 1840886-10-3; DBCO-PEG4-amine; DBCO-CONH-PEG4-amine; DBCO-

NHCOPEG4-amine

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



Product Information

Description	DBCO-PEG4-amine is a reagent grade PEG linker that incorporates DBCO and amine moieties, designed for use in copper-free Click Chemistry reactions and compatible with carboxylic acids, activated NHS esters, and carbonyl compounds.
Molecular Weight	523.6
Molecular Formula	C ₂₉ H ₃₇ N ₃ O ₆
Functional Group 1	Amine
Functional Group 2	DBCO
Functional Group 3	None
Reactive Group 1	Acid
Reactive Group 2	Azide
IUPAC Name	<i>N</i> -[2-[2-[2-[2-(2-Aminoethoxy)ethoxy]ethoxy]ethoxy]ethyl]-4-(2-azatricyclo[10.4.0.0 ^{4,9}]hexadeca-1(16),4,6,8,12,14-hexaen-10-yn-2-yl)-4-oxobutanamide
InChI	InChI=1S/C29H37N3O6/c30-13-15-35-17-19-37-21-22-38-20-18-36-16-14-31-28(33)11-12-29(34)32-23-26-7-2-1-5-24(26)9-10-25-6-3-4-8-27(25)32/h1-8H,11-23,30H2,(H,31,33)
InChI Key	NFJQULPXXATMFO-UHFFFAOYSA-N
Canonical SMILES	C1C2=CC=CC=C2C#CC3=CC=CC=C3N1C(=O)CCC(=O)NCCOCCOCCOCCOCCN
Form	Gel
Purity	98%
Solubility	DMSO, DCM, DMF

Identity	Confirmed by NMR.
Applications	DBCO-PEG4-amine can be used in bioconjugation and molecular biology research, facilitating efficient copper-free Click Chemistry reactions and enabling modifications through its reactive amine group, making it ideal for studies on biomolecular interactions and the development of drug delivery systems.
Storage	Store at -20°C.