

Product Information

DBCO/NHS PEG reagent, DBCO-NHCO-PEG5-NHS ester, Purity 98%

Cat. No.: X24-03-YW0320

Size: 25 mg; 100 mg; 500 mg

CAS Number: 1378531-80-6

PubChem CID: 86580458

Synonym: 1378531-80-6; DBCO-NHCO-PEG5-NHS ester;

DBCO-NH-PEG4-CH₂CH₂COONHS ester; DBCO-PEG5-NHS ester; DBCO-PEG(5)-NHS



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

Product Information

Description	DBCO-NHCO-PEG5-NHS ester is a versatile PEG linker featuring an NHS ester group for specific and efficient reaction with primary amines under neutral or slightly basic conditions. This reagent enables the site-selective modification of primary amine-containing molecules, such as lysine residues in proteins or aminosilane-coated surfaces, <i>via</i> covalent bond formation. The hydrophilic PEG spacer arm not only enhances water solubility but also provides a flexible linkage that minimizes steric hindrance during conjugation reactions, ensuring optimal bioconjugation efficiency.
Molecular Weight	693.8
Molecular Formula	C ₃₆ H ₄₃ N ₃ O ₁₁
Functional Group 1	DBCO
Functional Group 2	NHS
Functional Group 3	None
Reactive Group 1	Thiol
IUPAC Name	