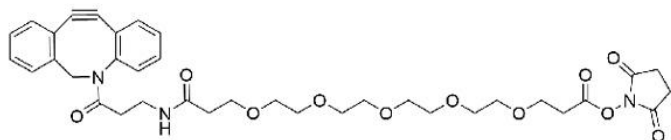


## **DBCO-PEG5-NHS ESTER**

**SKU:** CCT-A102P



### **Description**

DBCO-PEG5-NHS Ester reacts specifically and efficiently with a primary amine (e.g., side chain of lysine residues or aminosilane-coated surfaces) at pH 7-9 to form a covalent bond. The hydrophilic polyethylene glycol (PEG) spacer arm imparts water solubility that is transferred to the labeled molecule, thus reducing aggregation of labeled proteins stored in solution. The PEG spacer arm provides a long and flexible connection that minimizes steric hindrance involved with ligation to complementary azide-containing molecules.

### **Specifications**

<b>Unit Size</b>	4x2mg, 20mg, 25mg, 100mg, 500mg, 1000mg
<b>Molecular weight</b>	693.74
<b>Chemical composition</b>	C <sub>36</sub> H <sub>43</sub> N <sub>3</sub> O <sub>11</sub>
<b>CAS</b>	1378531-80-6
<b>Solubility</b>	DMSO, DMF, DCM, THF, Chloroform
<b>Purity</b>	>95% (HPLC)
<b>Appearance</b>	Viscous oil or amorphous solid
<b>Storage Conditions</b>	-20°C. Desiccate
<b>Shipping Conditions</b>	Ambient temperature

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**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**