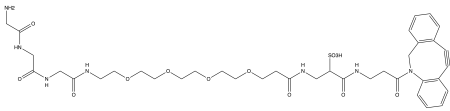


# Product Information

## DBCO/Tripeptide PEG reagent, DBCO-PEG4-Gly-Gly-Gly, Purity 95%

**Cat. No.:** X24-03-YW0378  
**Size:** 10 mg; 25 mg; 100 mg  
**Synonym:** DBCO-PEG4-Gly-Gly-Gly



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

| Product Information |                                                                                                                                                                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description         | DBCO-PEG4-Gly-Gly-Gly is a reagent grade substrate for sortase-mediated labeling, featuring a DBCO group and a PEG4-linked triglycine sequence, designed for copper-free Click Chemistry reactions.                                                                                                                  |
| Molecular Weight    | 845.9                                                                                                                                                                                                                                                                                                                |
| Molecular Formula   | C <sub>38</sub> H <sub>51</sub> N <sub>7</sub> O <sub>13</sub> S                                                                                                                                                                                                                                                     |
| Functional Group 1  | DBCO                                                                                                                                                                                                                                                                                                                 |
| Functional Group 2  | Tripeptide                                                                                                                                                                                                                                                                                                           |
| Functional Group 3  | None                                                                                                                                                                                                                                                                                                                 |
| Reactive Group 1    | Azide                                                                                                                                                                                                                                                                                                                |
| Form                | Solid                                                                                                                                                                                                                                                                                                                |
| Purity              | 95%                                                                                                                                                                                                                                                                                                                  |
| Solubility          | Water, DMSO, DMF                                                                                                                                                                                                                                                                                                     |
| Identity            | Confirmed by NMR.                                                                                                                                                                                                                                                                                                    |
| Applications        | DBCO-PEG4-Gly-Gly-Gly is used in bioconjugation and molecular biology research, enabling site-specific protein conjugation through sortase-mediated labeling and subsequent modification with azide-containing molecules, ideal for creating PEGylated proteins, protein-lipid conjugates, and macrocyclic peptides. |
| Storage             | Store at -20°C.                                                                                                                                                                                                                                                                                                      |