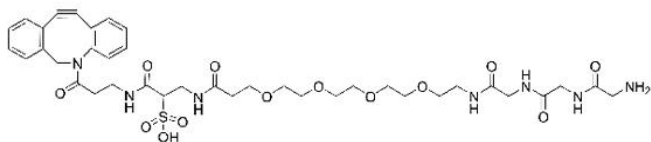


DBCO-PEG4-GLY-GLY-GLY

SKU: CCT-1552



Description

Water-soluble, substrate for sortase mediated labeling of proteins. Sortase catalyzes a transpeptidase reaction between a specific internal sequence of a protein and an amine group present on the N-terminus of triglycine recently has become an area of great interest. This method of labeling proteins has been denoted as “Sortagging”.

Proteins conjugated to DBCO-Gly-Gly-Gly can be further modified with azide-containing molecules creating site-specific protein conjugates. Examples of creating protein conjugates using sortagging include site-specifically PEGylating proteins,¹ site-specific protein-lipid conjugates,² and constructing peptides and glycosylphosphatidylinositol chimeras.³ Sortase has also been used in peptide synthesis to cyclize peptides to create macrocyclic peptides, glycopeptides⁴ and protein–protein conjugates.

Specifications

Unit Size	10 mg, 25 mg, 100 mg
Molecular weight	845.92
Chemical composition	C ₃₈ H ₅₁ N ₇ O ₁₃ S
CAS	N/A
Solubility	Water, DMSO, DMF
Purity	>95% (HPLC)
Appearance	Grey amorphous solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Frozen

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