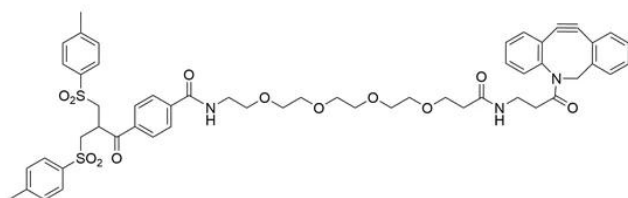


BIS-SULFONE-PEG4-DBCO

SKU: CCT-1144



Description

Bis-sulfone-PEG4-DBCO is a bis-alkylating labeling reagent that enables site-specific incorporation of DBCO moiety onto antibodies to form well-defined conjugates. This approach involves two steps: (1) disulfide reduction to release the two cysteine thiols and (2) re-forming the disulfide by bis-alkylation via a three-carbon bridge to which DBCO moiety is covalently attached. During this process, irreversible denaturation of the protein, disrupting either their tertiary structure or their biological activity does not occur.

The covalent, site-specific conjugation of PEG to a polyhistidine tag (His-tag) on a protein with bis-alkylating reagents was also reported in literature (see Selected References section).

Specifications

Unit Size	10 mg, 25 mg, 100 mg
Molecular weight	1006.19
Chemical composition	C ₅₄ H ₅₉ N ₃ O ₁₃ S ₂
CAS	N/A
Solubility	DMSO, DMF, DCM, THF, Chloroform
Purity	>95% (HPLC)
Appearance	White to grey amorphous solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Frozen

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