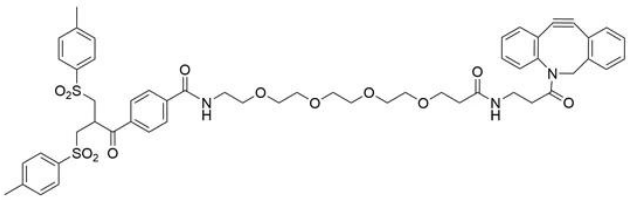
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BIS-SULFONE-PEG4-DBCO

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

CAS Number	N/A
Molecular Weight	1006.19
Appearance	White to grey amorphous solid
Chemical Formula	C54H59N3O13S2
Purity	>95% (HPLC)
Unit Size	10 mg, 25 mg, 100 mg
Solubility	DMSO, DMF, DCM, THF, Chloroform

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Storage Instructions	-20°C. Desiccate
Shipping Conditions	Frozen
Shipping Instructions	Frozen

SELECTED REFERENCES

DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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