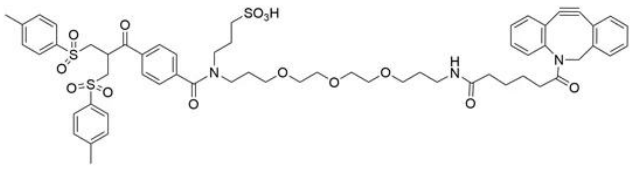
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

THIOLINKER-DBCO

SKU: CCT-1096



DESCRIPTION

ThioLinker-DBCO is a water-soluble 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	1140.39
Appearance	White to grey amorphous solid
Chemical Formula	C59H69N3O14S3
Purity	>95% (HPLC)
Unit Size	10 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF DCM, THF, Chloroform
Storage Instructions	-20°C. Desiccate

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

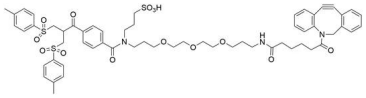
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

SELECTED REFERENCES

DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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