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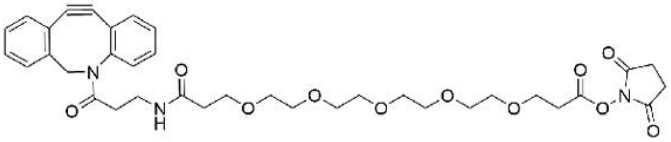
DBCO-PEG5-NHS ESTER

SKU: CCT-A102P



DESCRIPTION

DBCO-PEG5-NHS Ester reacts specifically and efficiently with a primary amine (e.g., side chain of lysine residues or aminosilane-coated surfaces) at pH 7-9 to form a covalent bond. The hydrophilic polyethylene glycol (PEG) spacer arm imparts water solubility that is transferred to the labeled molecule, thus reducing aggregation of labeled proteins stored in solution. The PEG spacer arm provides a long and flexible connection that minimizes steric hindrance involved with ligation to complementary azide-containing molecules.

SPECIFICATIONS

CAS Number	1378531-80-6
Molecular Weight	693.74
Appearance	Viscous oil or amorphous solid
Chemical Formula	C36H43N3O11
Purity	>95% (HPLC)
Unit Size	4x2mg, 20mg, 25mg, 100mg, 500mg,
Solubility	DMSO, DMF, DCM, THF, Chloroform
Storage Instructions	-20°C. Desiccate
Shipping Conditions	Frozen
Shipping Instructions	Frozen

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

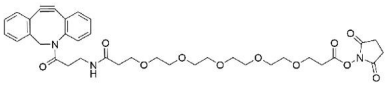
SELECTED REFERENCES

1. Tracy, C. M., *et al.* (2019). Cysteine-Directed Bioconjugation of a Platinum(II)-Acridine Anticancer Agent. *Inorg Chem.*, **58 (1)**, 43-46. [PubMed]
2. Allo, B., *et al.* (2018). Clickable and High-Sensitivity Metal-Containing Tags for Mass Cytometry. *Bioconjugate Chem.* , **29(6)**, 2028-38. [PubMed]
3. Nedrow-Byerst, J.R., *et al.* (2013). PSMA-targeted SPECT agents: mode of binding effect on in vitro performance. *Prostate.*, **73(4)**, 355-62-9. [PubMed]

DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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