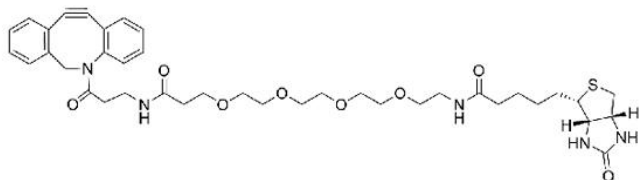




## **BIOTIN-PEG4-DBCO**

**SKU:** CCT-A105



## **DESCRIPTION**

A biotin probe for copper-free click chemistry reaction, Biotin-PEG4-DBCO reacts with azides to form a stable triazole and does not require Cu-catalyst or elevated temperatures. Often a reagent of choice in live cell surface glycans and lipids studies where the presence of cytotoxic copper catalyst is not acceptable. In application where the presence of copper is a concern Biotin-PEG4-DBCO is an ideal alternative to copper requiring biotin-alkynes.

## **SPECIFICATIONS**

<b>CAS Number</b>	1255942-07-4
<b>Molecular Weight</b>	749.92
<b>Appearance</b>	White to grey amorphous solid
<b>Chemical Formula</b>	C <sub>39</sub> H <sub>51</sub> N <sub>5</sub> O <sub>8</sub> S
<b>Purity</b>	>95% (HPLC)
<b>Unit Size</b>	5 mg, 25 mg, 100 mg
<b>Solubility</b>	DMSO, DMF, DCM, THF, Chloroform
<b>Storage Instructions</b>	-20°C. Desiccate
<b>Shipping Conditions</b>	Ambient temperature
<b>Shipping Instructions</b>	Ambient temperature

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



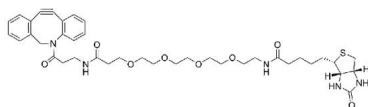
## SELECTED REFERENCES

1. Bierbach, U., *et al.* (2021). DNA Adduct Detection after Post-Labeling Technique with PCR Amplification (DNA-ADAPT-qPCR) Identifies the Pre-ribosomal RNA Gene as a Direct Target of Platinum-Acridine Anticancer Agents. *Chemistry.*, **27 (59)**, 14681-14689. [[PubMed](#)]
2. Pratt Matthew R., *et al.* (2020). Acetylated Chemical Reporters of Glycosylation Can Display Metabolism-Dependent Background Labeling of Proteins but Are Generally Reliable Tools for the Identification of Glycoproteins. *Frontiers in Chemistry*, **8**, 318. [[Frontiers in Chemistry](#)]
3. Bernardim, B., *et al.* (2020). Precise Installation of Diazo-Tagged Side-Chains on Proteins to Enable In Vitro and In-Cell Site-Specific Labeling *Bioconjugate Chem.*, **31 (6)**, 1604-10. [[PubMed](#)]
4. Finocchiaro, G., **et al. (2026)**. Front-illuminated surface plasmon resonance biosensor for the study of light-responsive proteins and their interactions. *Biosensors and Bioelectronics*, **291**, 117998. [[ScienceDirect](#)]

## DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

## GALLERY IMAGES



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