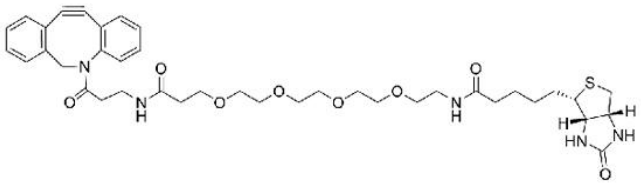
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

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

CAS Number	1255942-07-4
Molecular Weight	749.92
Appearance	White to grey amorphous solid
Chemical Formula	C39H51N5O8S
Purity	>95% (HPLC)
Unit Size	5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF, DCM, THF, Chloroform
Storage Instructions	-20°C. Desiccate
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

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

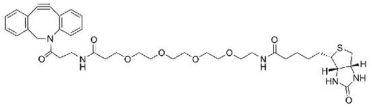
SELECTED REFERENCES

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.