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

BIOTIN-PEG4-ALKYNE

SKU: CCT-TA105

[redacted]

DESCRIPTION

Biotin-PEG4-Alkyne is non-cleavable, alkyne-activated biotinylation reagent that can be reacted with azides via a copper-catalyzed click reaction enabling efficient and specific conjugation of derivatized molecules in biological samples. The hydrophilic polyethylene glycol (PEG) spacer provides a long and flexible connection that minimizes steric hindrance involved with binding to avidin molecules.

SPECIFICATIONS

CAS Number	1262681-31-1
Molecular Weight	457.58
Appearance	White to grey amorphous solid
Chemical Formula	C21H35N3O6S
Purity	>95% (HPLC)
Unit Size	5 mg, 25 mg, 100 mg, 1000 mg
Solubility	DMSO, DMF, MeOH
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. Feng, S., *et al.* (2021). Combining Metabolic Alkyne Labeling and Click Chemistry for Secretome Analysis of Serum-Containing Conditioned Medium†. *Chin. J. Chem.*, **39**, 1843-1848. [Wiley Online Library]
2. Daughtry, J. L., *et al.* (2020). Clickable Galactose Analogues for Imaging Glycans in Developing Zebrafish. *ACS Chem Biol.*, **15 (2)**, 318-324. [PubMed]
3. Simon P. Wisnovsky, *et al.* (2020). Metabolic precision labeling enables selective probing of O-linked N-acetylgalactosamine glycosylation. *PNAS,* **117 (41)**, 25293-25301. [PNAS]
4. 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]
5. Brito, I. L., *et al.* (2019). Chemoproteomic Profiling of Gut Microbiota-Associated Bile Salt Hydrolase Activity. *ACS Cent Sci.*, **5 (5)**, 867-873. [PubMed]
6. Zhang, C., *et al.* (2016). In vivo metabolic labeling of sialoglycans in the mouse brain by using a liposome-assisted bioorthogonal reporter strategy. *Proc Natl Acad Sci U S A.*, **113 (19)**, 5173-8. [PubMed]

DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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