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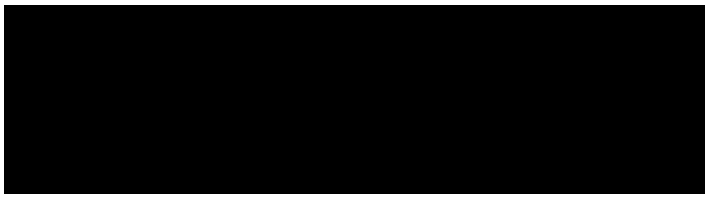
# BIOTIN-PEG4-ALKYNE

**SKU:** CCT-TA105



## 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

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