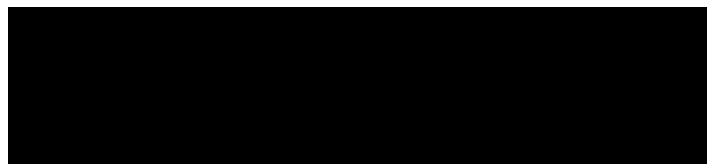




BIOTIN PICOLYL AZIDE

SKU: CCT-1167



DESCRIPTION

Biotin Picolyl Azide is an advanced biotin probe that incorporates a copper-chelating motif to raise the effective concentration of Cu(I) at the reaction site to boosted the efficiency of the CuAAC reaction resulting in a faster and more biocompatible CuAAC labeling. Up to 40-fold increase of signal intensity, compared to conventional azides was reported (see Selected References).

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	622.74
Appearance	Off-white to slightly orange amorphous solid
Chemical Formula	$C_{27}H_{42}N_8O_7S$
Purity	>95% (HPLC)
Unit Size	5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF
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. Wood, T. M., *et al.* (2021). Optimization of Metabolic Oligosaccharide Engineering with Ac₄GalNAIk and Ac₄GlcNAIk by an Engineered Pyrophosphorylase. *ACS Chem. Biol.*, [[PubMed](#)]
2. Banerjee, A.K., *et al.* (2020). SARS-CoV-2 disrupts splicing, translation, and protein trafficking to suppress host defenses. *Cells.*, [[Cell](#)]
3. Gaebler, A., *et al.* (2016). A highly sensitive protocol for microscopy of alkyne lipids and fluorescently tagged or immunostained proteins. *J. Lipid. Res.*, **57**, 1934-47. [[PubMed](#)]
4. Jiang, H., *et al.* (2014). Monitoring Dynamic Glycosylation in Vivo Using Supersensitive Click Chemistry. *Bioconjugate Chem.*, **25**, 698-706. [[PubMed](#)]
5. Uttamapinant, C., *et al.* (2012). Fast, Cell-Compatible Click Chemistry with Copper-Chelating Azides for Biomolecular Labeling. *Angew. Chem. Int. Ed.*, **51**, 5852-56. [[PubMed](#)]

DOCUMENTS

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

GALLERY IMAGES



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