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DDE BIOTIN PICOLYL AZIDE

SKU: CCT-1186

[redacted]

DESCRIPTION

Dde Biotin Picolyl Azide is an azide-activated cleavable biotin probe that allows for efficient recovery of avidin-bound protein complexes in affinity-based assays. This reagent contains a biotin moiety linked to azide group through a spacer arm containing a hydrazine-cleavable Dde moiety. Under mild conditions (2% aqueous hydrazine), the Dde liner is cleaved, releasing the biotin tag and any avidin conjugate bound to it.

SPECIFICATIONS

CAS Number	2055048-42-3
Molecular Weight	815.98
Appearance	Oil to amorphous solid
Chemical Formula	C38H57N9O9S
Molecular Weight Left Behind	220.24
Unit Size	1 mg, 5 mg, 25 mg
Solubility	DMSO, DMF, THF, DCM, Chloroform
Storage Instructions	-20°C.
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. Howell, A. R., *et al.* (2021). α-Methylene-β-Lactone Scaffold for Developing Chemical Probes at the Two Ends of the Selectivity Spectrum. *Chembiochem.*, **22 (3)**, 505-515. [PubMed]
2. Matthew E. G., *et al.* (2017). Comprehensive Mapping of O-GlcNAc Modification Sites Using a Chemically Cleavable Tag. *Mol. Biosyst,* **12**: 1756–59. [PubMed]
3. Gertsik N., *et al.* (2017). Mapping the Binding Site of BMS-708163 on y-Secretase with Cleavable Photoprobes. *Cell Chemical Biology,* **32**: 3-8. [PubMed]
4. Jiang, H., *et al.* (2014). Monitoring Dynamic Glycosylation in Vivo Using Supersensitive Click Chemistry. *Bioconjugate Chem.,* **25**: 698-706. [PubMed]
5. Yang Y., *et al.* (2013). Cleavable Trifunctional Biotin Reagents for Protein Labeling, Capture, and Release. *Chem. Commun.,* **48**: 5366-86. [PubMed]
6. 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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