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BIOTIN AZIDE

SKU: CCT-1265

[redacted]

DESCRIPTION

Biotin Azide (PEG4 carboxamide-6-Azidohexanyl Biotin) is non-cleavable, azide-activated biotinylation reagent that reacts with terminal alkynes via a copper-catalyzed click reaction to produce a stable triazole linkage. It also reacts with cyclooctynes via a copper-free “click chemistry” reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures. Biotin Azide allows for selective labeling of various alkynylated molecules (such as DNA, oligonucleotides, and proteins) with biotin for the subsequent detection or affinity purification with streptavidin, avidin or NeutrAvidin® biotin-binding protein.

For the detection of low abundance targets or where significant increase in signal intensity is desired please consider using next generation azides probes containing an internal copper-chelating motif.

Biotin Azide is structurally identical to Biotin Azide (PEG4 carboxamide-6-Azidohexanyl Biotin) (Catalog number: B10184, sold by ThermoFisher Scientific), and can be used as less expensive replacement.

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	615.79
Appearance	White to grey amorphous solid
Chemical Formula	C27H49N7O7S
Purity	>95% (HPLC)

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

Unit Size	5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF
Storage Instructions	-20°C. Desiccate
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

SELECTED REFERENCES

1. Gray, R. A. V., *et al.* (2021). Optimized Incorporation of Alkynyl Fatty Acid Analogs for the Detection of Fatty Acylated Proteins using Click Chemistry. *JoVE Journal,* **10 (3791)**, 62107. [JoVE Journal]

DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES