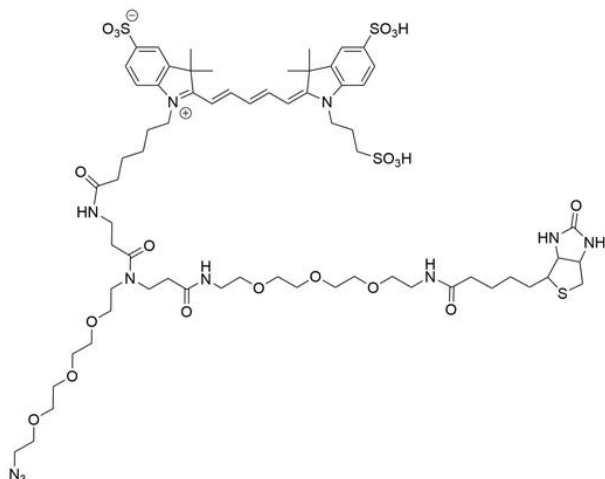


CY5 BIOTIN AZIDE

SKU: CCT-1232



Description

Whilst biotin is a highly effective affinity label, fluorescent labels provide a more sensitive, quantitative, and convenient method for visualizing proteins. Trifunctional click chemistry probes that incorporate a ligation handle, a biotin and a fluorophore straightforwardly extended to combine the complementary benefits of both types of label. Dual-label TAMRA Biotin Azide probe can be readily incorporated into alkyne-tagged biomolecules through CuAAC ligation. For example, dual-labeled newly synthesized proteins, glycans, lipids, or DNA/RNA can be readily isolated by affinity purification and visualized by in-gel fluorescence.

Another very important advantage of dual label probes over regular biotin probes is built-in control. Each step of enrichment process can easily followed either by UV-Vis (650 nm) or by more sensitive fluorescence spectroscopy. After elution from streptavidin beads target proteins containing TAMRA label can be easily distinguished from non-specifically bound proteins and endogenously biotinylated proteins.

This new dual label probe should be useful to expand the new applications of standard biotin-streptavidin technology.

For research use only. Not intended for animal or human therapeutic or diagnostic use.

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Molecular weight	1494.81
Chemical composition	C57H79N11O14S
CAS	N/A
Solubility	DMSO, DMF
Appearance	Dark blue solid
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature

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