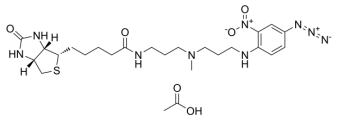
Photobiotin acetate

Cat. No.:	HY-W127719
CAS No.:	96087-38-6
Molecular Formula:	$C_{25}H_{39}N_9O_6S$
Molecular Weight:	593.7
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Photobiotin (acetate)It is a biological probe used to study biochemical processes such as protein interactions and enzymatic reactions. It is a molecule containing a photosensitive group, which can be combined with specific target molecules (such as proteins, nucleic acids, etc.) through photochemical cross-linking technology, so as to realize the labeling and detection of these molecules. During the photosensitive crosslinking process, Photobiotin (acetate)Can participate in the formation of covalent bonds and form stable compounds. In addition, the compound also has high biocompatibility and biological activity, so it is widely used in the field of biomedical research, such as enzymatic research, proteomics, western blotting and other aspects. Photobiotin (acetate) is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAc) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.
In Vitro	Photobiotin acetate salt is a biochemical reagent that can be used as a biological material or organic compound for life science related research. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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