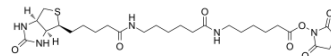


## Biotin-LC-LC-NHS

Cat. No.:	HY-W040254
CAS No.:	89889-52-1
Molecular Formula:	C <sub>26</sub> H <sub>41</sub> N <sub>5</sub> O <sub>7</sub> S
Molecular Weight:	567.7
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

#### Description

Biotin-LC-LC-NHS is a SMCC cross-linking reagent that can be used to mark antibody and other small molecules, such as Paclitaxel<sup>[1][2]</sup>.

#### In Vitro

Biotinylation of antibodies is accomplished by the reaction of Biotin-LC-LC-NHS (1 mg/mL in dimethyl formamide) with the protein in aqueous phase pH 7.4. The molar ratio of biotin to antibody in the labeling reaction was 10:1 (the final concentration of biotin was 70 μM) <sup>[1]</sup>.

### REFERENCES

[1]. K Dill, et al. Immunoassays Based on Electrochemical Detection Using Microelectrode Arrays. Biosens Bioelectron. 2004 Nov 1;20(4):736-42.

[2]. Lev G Lis, et al. Synthesis and Biological Evaluation of a Biotinylated Paclitaxel With an Extra-Long Chain Spacer Arm. ACS Med Chem Lett . 2012 Sep 13;3(9):745-748.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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