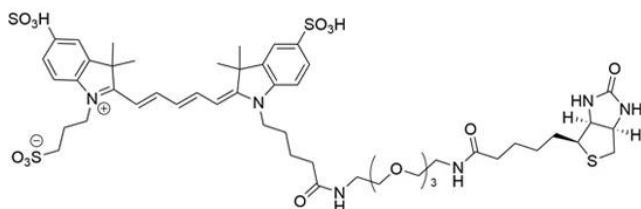




## CY5 BIOTIN

**SKU:** CCT-1049



## DESCRIPTION

Cy5 Biotin can be used for detecting and quantifying biotin binding sites of avidin, streptavidin or neutravidin. This reagent overcomes major shortcomings of commonly used Biotin-4-fluorescein – poor solubility in aqueous media and pH dependent absorbance and emission. Cy5 Biotin is a water soluble reagent and its red fluorescence is pH independent from pH 4 to pH 10. A flexible PEG3 spacer between biotin moiety and fluorescent tag minimize steric hindrance involved in binding to avidin, streptavidin or neutravidin.

## SPECIFICATIONS

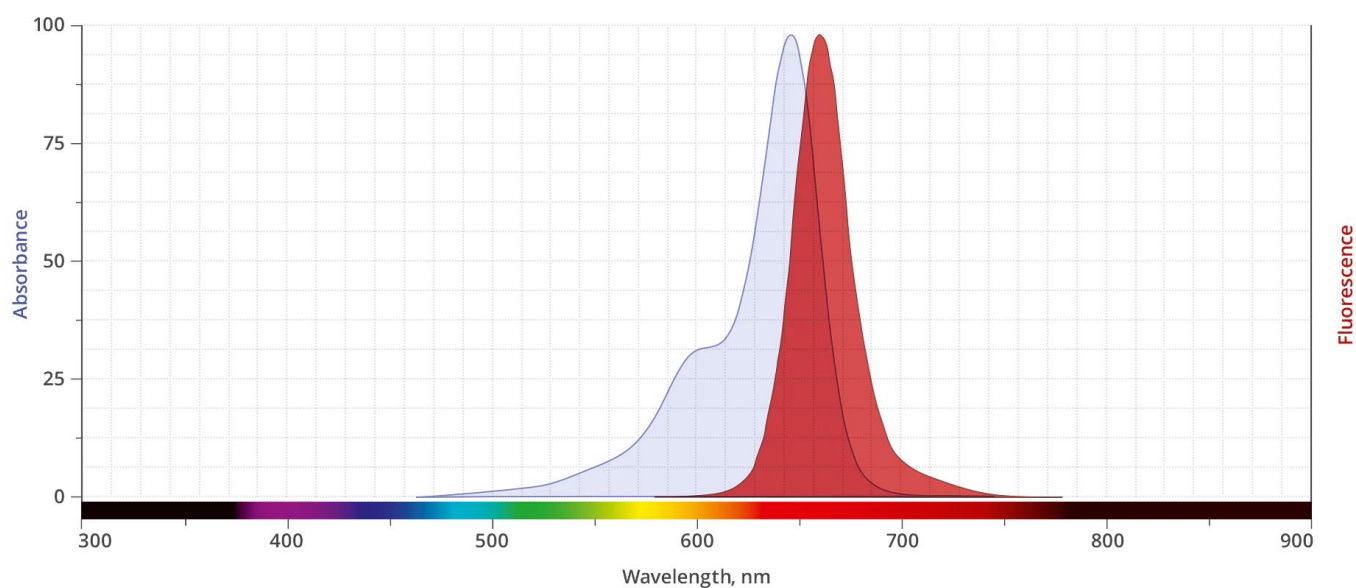
|                                |                                             |
|--------------------------------|---------------------------------------------|
| <b>CAS Number</b>              | N/A                                         |
| <b>Molecular Weight</b>        | 1136.39                                     |
| <b>Appearance</b>              | Blue solid                                  |
| <b>Extinction Coefficient</b>  | 250,000                                     |
| <b>Purity</b>                  | >95% (HPLC)                                 |
| <b>Unit Size</b>               | 1 mg, 5 mg                                  |
| <b>Solubility</b>              | Water, DMSO, DMF, MeOH                      |
| <b>Storage Instructions</b>    | -20°C. Desiccate                            |
| <b>Spectrally Similar Dyes</b> | Alexa Fluor® 647, CF™ 647 Dye, DyLight™ 649 |

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



|                                    |                     |
|------------------------------------|---------------------|
| <b>Laser Line</b>                  | 633 or 635 nm       |
| <b>Excitation/Emission Maximum</b> | 649/671 nm          |
| <b>Shipping Conditions</b>         | Ambient temperature |
| <b>Shipping Instructions</b>       | Ambient temperature |

## ABS/EM SPECTRA



## SELECTED REFERENCES

1. Schendel, L. C., *et al.* (2020). Single-Molecule Manipulation in Zero-Mode Waveguides. *Small*, **16** (13), e1906740. [[PubMed](#)]

## DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

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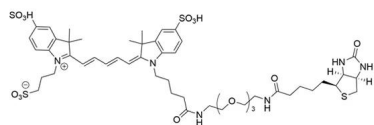


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## GALLERY IMAGES



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