

## 87784 Atto Thio12 Biotin

### Application

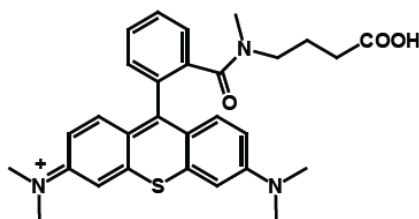
Atto Thio12 Biotin is a new label closely related to the well-known rhodamines. The dye can be used for labeling of DNA, RNA or proteins. The characteristic feature of the label is high yield of triplet formation.

The dye is moderately hydrophilic. Atto Thio12 Biotin is a cationic dye. After coupling to a substrate the dye carries a net electrical charge of +1.

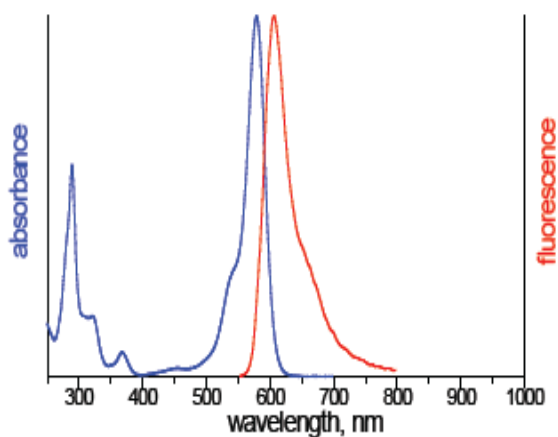
Biotin conjugates can be used in applications like ELISA or immunohistochemistry, in situ-hybridization, flow cytometry and others, to identify streptavidin, avidin or extravidin-conjugates.

### Product Description

MW	925 g/mol
$\lambda_{\text{abs}}$	579 nm
$\epsilon_{\text{max}}$	$1.1 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
$\lambda_{\text{fl}}$	609 nm
$\eta_{\text{fl}}$	15 %
CF <sub>260</sub>	0.10
CF <sub>280</sub>	0.37



### Optical data of the carboxy derivative (in water):



**Storage:** store at  $\leq -20^\circ\text{C}$ . Protect from long-term exposure to moisture and light.