

## 76141 Atto Rho13 Biotin

### Application

Atto Rho13 Biotin is a new rhodamine dye for application in life sciences, e.g. labelling of DNA, RNA or proteins. The label shows strong absorption, high fluorescence quantum yield, and high photostability. After coupling to a substrate Atto Rho13 carries a net electrical charge of  $+1$ .

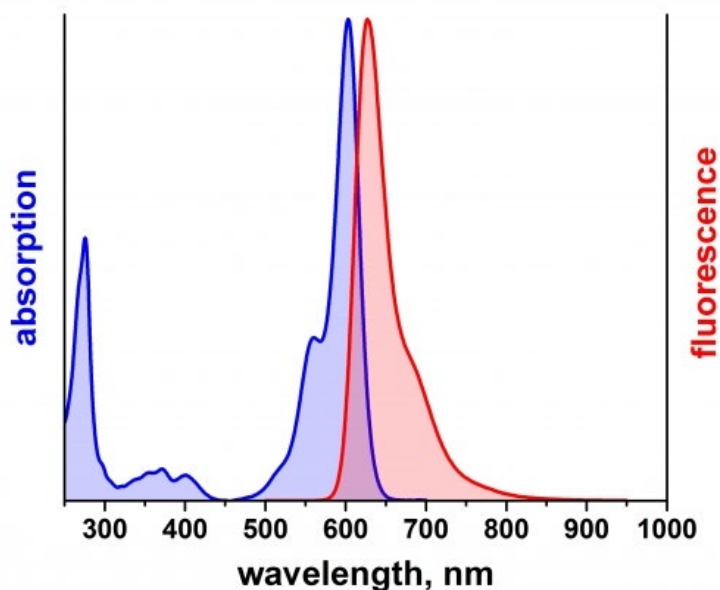
The dye is moderately hydrophilic.

The **biotin** derivative can be used as reagent for binding to proteins like avidin and streptavidin.

### Product Description

MW	1070 g/mol
$\lambda_{\text{abs}}$	603 nm
$\epsilon_{\text{max}}$	$1.2 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
$\lambda_{\text{fl}}$	627 nm
$\eta_{\text{fl}}$	80 %
$\tau_{\text{fl}}$	3.9 ns
CF <sub>260</sub>	0.28
CF <sub>280</sub>	0.43

### Optical data of the carboxy derivative (in aqueous solution)



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

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

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