

## 77085 Atto Rho101

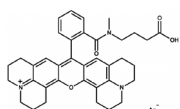
## Application

Atto Rho101 is a new rhodamine dye, based on the well-known laser dye Rhodamine 101. The new label is functionalized for coupling to bio-molecules such as DNA, RNA or proteins. Atto Rho101 shows extraordinary brightness and photostability.

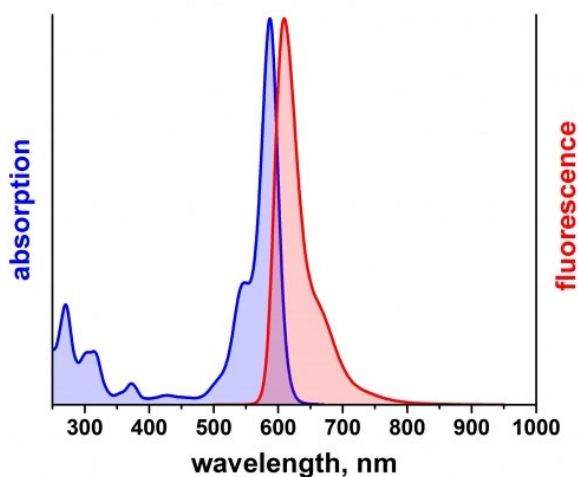
After coupling to a substrate Atto Rho101 carries a net electrical charge of +1. The dye is moderately hydrophilic.

## Product Description

MW	703 g/mol
$\lambda_{\text{abs}}$	587 nm
$\epsilon_{\text{max}}$	$1.2 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
$\lambda_{\text{fl}}$	609 nm
$\eta_{\text{fl}}$	80 %
CF <sub>260</sub>	0.18
CF <sub>280</sub>	0.17



**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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