

07876 Atto Rho3B Biotin

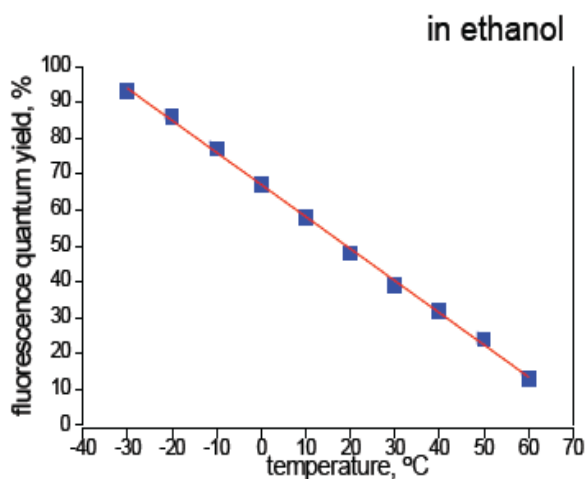
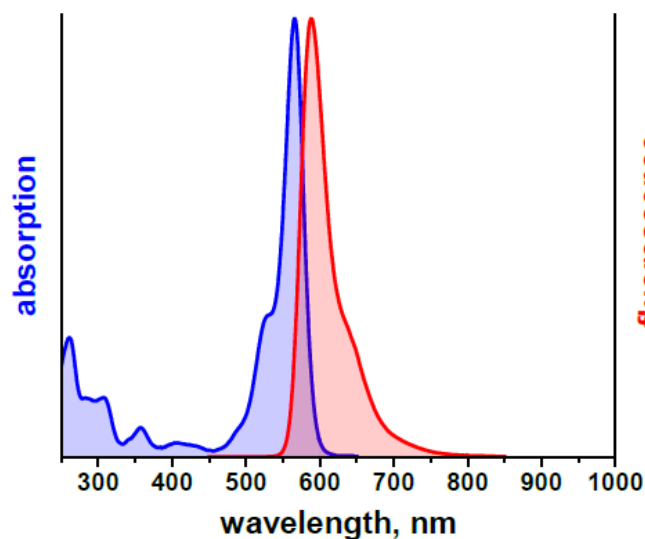
Application

Atto Rho3B is a new fluorescent label related to the well-known dye Rhodamin B. The dye shows strong absorption and high thermal and photo-stability. The characteristic feature of the dye is its temperature dependent fluorescence yield. The dye is moderately hydrophilic. Atto Rho3B is a cationic dye. After coupling to a substrate the dye carries a net electrical charge of $+1$. The **biotin** derivative can be used as reagent for binding to proteins like avidin and streptavidin.

Product Description

MW	966 g/mol
λ_{abs}	566 nm
ϵ_{max}	$1.2 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
λ_{fl}	589 nm
η_{fl}	50 % (ethanol. 20°C)
τ_{fl}	1.5 ns
CF_{260}	0.27
CF_{280}	0.13

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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