

01632 Atto 520 Biotin

Application

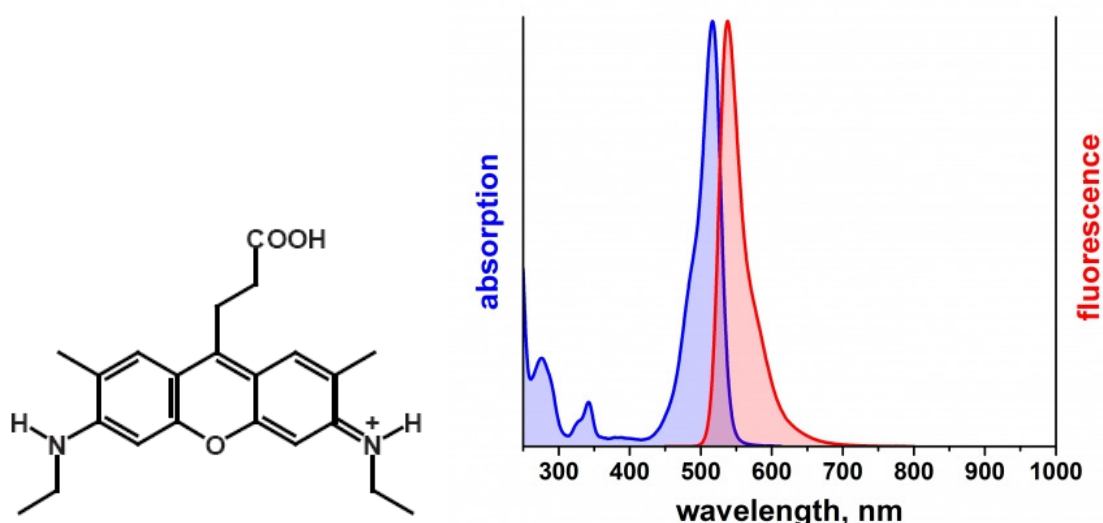
Atto 520 is a novel fluorescent label related to the well-known dye Rhodamine 6G. The dye is intended for application in the area of life science, e.g. labeling of DNA, RNA or proteins. Characteristic features of the label are strong absorption, high fluorescence quantum yield, high thermal and photo-stability, and very little triplet formation. At pH > 7 Atto 520 shows reversible formation of a colorless pseudobase.

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

Product Description

MW	777 g/mol
λ_{abs}	517 nm
ϵ_{max}	$1.1 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
λ_{fl}	538 nm
η_{fl}	90%
τ_{fl}	3.6 ns
CF ₂₆₀	0.16
CF ₂₈₀	0.20

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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