

78493 Atto 610

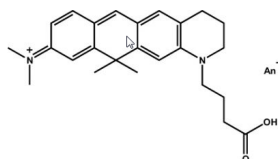
Application

Atto 610 belongs to a new generation of fluorescent labels invented by ATTO-TEC. The dye is designed 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 photostability, good water solubility, and very little triplet formation.

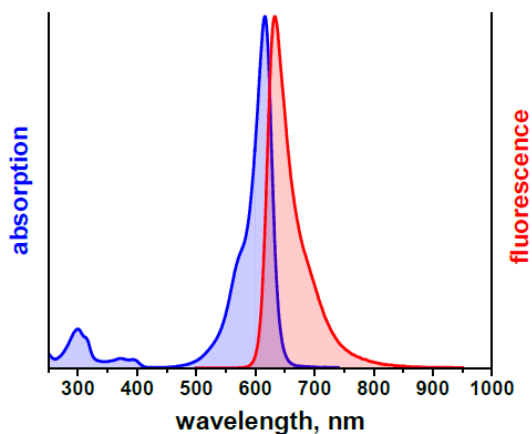
Atto 610 is a pH sensitive product. While practically stable up to pH 8, it slowly degrades at higher pH.

Product Description

MW	491 g/mol
λ_{abs}	616 nm
ϵ_{max}	$1.15 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
λ_{fl}	633 nm
η_{fl}	70 %
τ_{fl}	3.2 ns
CF ₂₆₀	0.03
CF ₂₈₀	0.06



Optical data of the carboxy derivative (in aqueous solution)



Storage: Store at -20°C and protected from 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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