

Product Information

30674 Atto 700

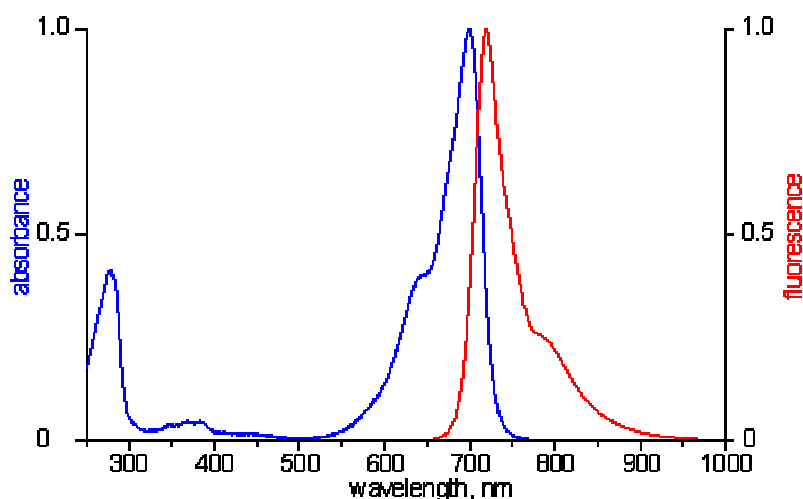
Application

Atto 700 belongs to a new generation of fluorescent labels. 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, excellent thermal and photo-stability, very good water solubility and very little triplet formation. Atto 700 is a zwitterionic dye with a net electrical charge of zero. The fluorescence is efficiently quenched by electron donors like guanine, tryptophan, etc

Product Description

MW	575 g/mol
λ_{abs}	700 nm
ϵ_{max}	$1.2 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
λ_{fl}	719 nm
η_{fl}	25 %
τ_{fl}	1.6 ns
CF_{260}	0.26
CF_{280}	0.41

Optical data of the carboxy derivative (in water)



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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