

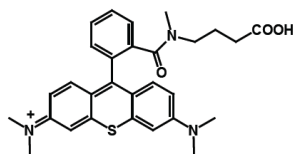
56963 Atto Thio12

Application

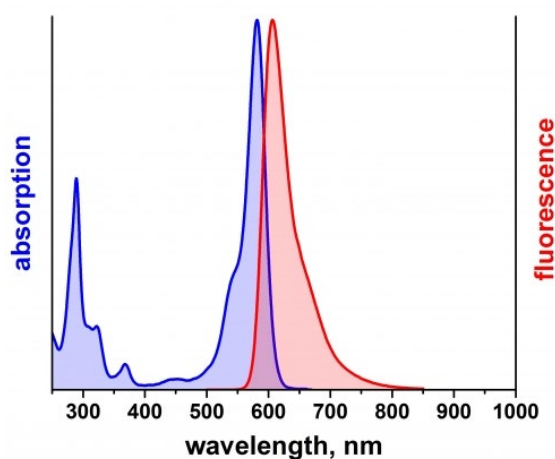
Atto Thio12 is a new label closely related to the well-known rhodamines. The dye can be used for labeling of DNA, RNA or proteins. The characteristic feature of the label is high yield of triplet formation. The dye is moderately hydrophilic. Atto Thio12 is a cationic dye. After coupling to a substrate the dye carries a net electrical charge of +1.

Product Description

MW	602 g/mol
λ_{abs}	582 nm
ϵ_{max}	$1.1 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
λ_{fl}	607 nm
η_{fl}	15 %
η_{t}	20 %
τ_{fl}	2.0 ns
CF ₂₆₀	0.11
CF ₂₈₀	0.37



Optical data of the carboxy derivative (in aqueous solution)



Storage: store at $\leq -20^\circ\text{C}$. Protect from 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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