

92606 Atto Oxa12

Application

Atto Oxa12 is a red-emitting label and a lipophilic variety of Atto 655. Characteristic features of the label are strong absorption, good fluorescence quantum yield, very little triplet formation, excellent thermal and photo-stability, and outstanding ozone resistance.

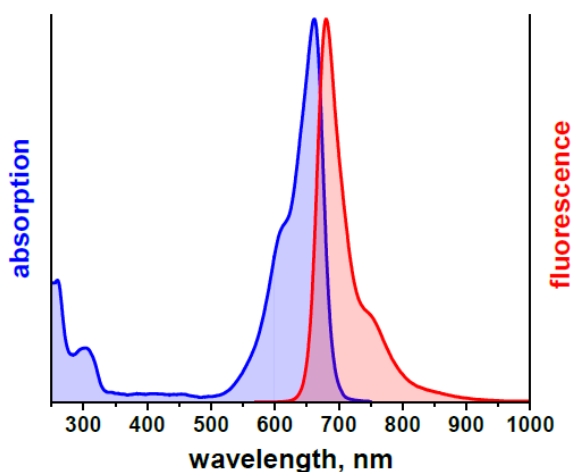
Atto Oxa12 is a cationic dye (charge +1). Absorption and fluorescence are pH independent in the range pH 2 to 11, used in typical applications.

Atto Oxa12 shows excellent solubility in organic solvents like DMF, DMSO or acetonitrile.

Product Description

MW	739 g/mol
λ_{abs}	662 nm
ϵ_{max}	$1.25 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
λ_{fl}	681 nm
η_{fl}	30 %
τ_{fl}	1.8 ns
CF ₂₆₀	0.32
CF ₂₈₀	0.12

Optical data of the carboxy derivative (in aqueous solution):



Storage: protected from moisture and light at -20°C

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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