

40592 Atto 540Q

Application

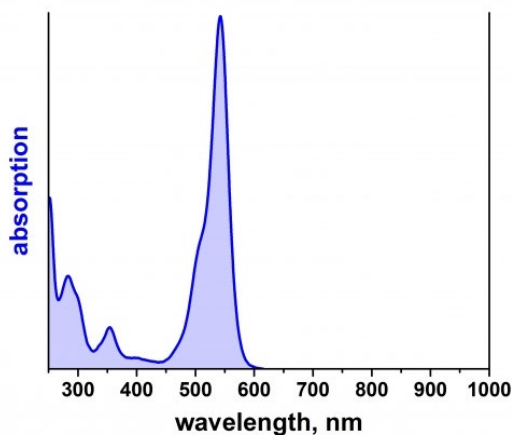
Atto 540Q is a novel fluorescence quencher (energy acceptor in FRET process). The quencher is designed for application in the area of life science, e.g. labeling of DNA, RNA or proteins. Characteristic features of the label are strong absorption and high stability. Atto 540Q is a cationic dye. After coupling to a substrate the dye carries a net electrical charge of $+1$.

As supplied Atto 540Q consists of a mixture of two isomers with practically identical absorption.

Product Description

MW	659 g/mol
λ_{abs}	543 nm
ϵ_{max}	$1.05 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
CF ₂₆₀	0.27
CF ₂₈₀	0.26

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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