

## 03722 Atto 580Q

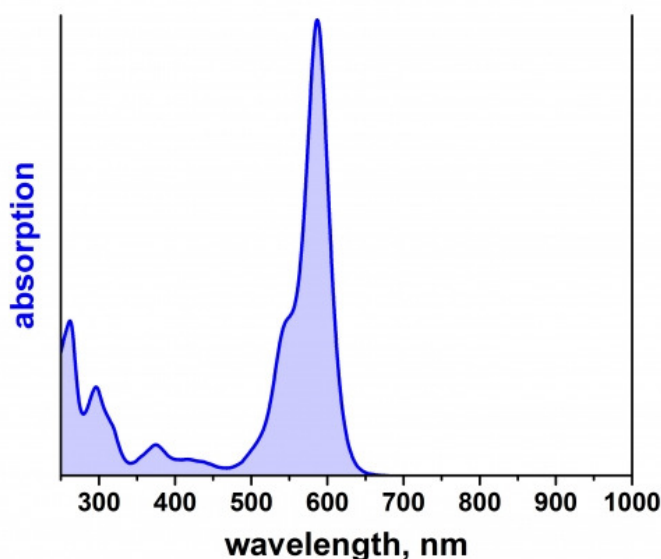
### Application

Atto 580Q 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 580Q is a cationic dye. After coupling to a substrate the dye carries a net electrical charge of  $+1$ . As supplied Atto 580Q consists of three isomers with identical optical properties.

### Product Description

MW	795 g/mol
$\lambda_{\text{abs}}$	587 nm
$\epsilon_{\text{max}}$	$1.1 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
CF <sub>260</sub>	0.32
CF <sub>280</sub>	0.11

### Optical data of the carboxy derivative (in water)



**Storage:** protected from 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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