16951 Atto 495

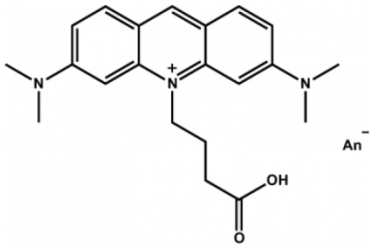
Application

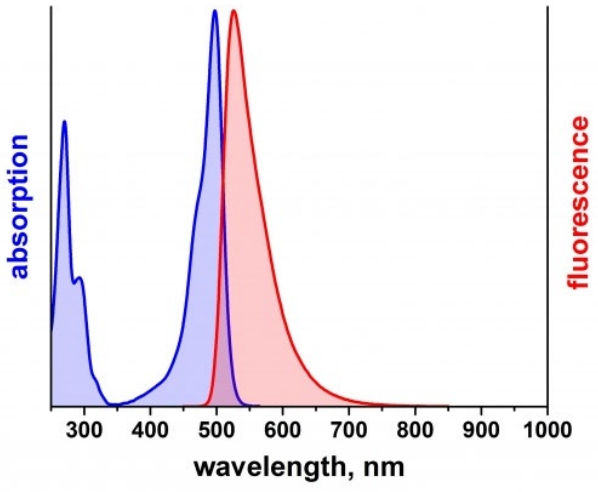
Atto 495 is a novel fluorescent label derived from the well-known dye Acridine Orange. The dye is intended for application in the area of life science, e.g. labeling of DNA, RNA or proteins. Characteristic features of the label are strong absorption, good fluorescence, good solubility, and high triplet quantum yield.

Product Description

MW	452 g/mol
λ_{abs}	498 nm
ε_{max}	8.0 x 10^4 M^{-1} cm^{-1}
λ_{fl}	526 nm
η_{fl}	20 %
τ_{fl}	1.0 ns
CF_{260}	0.45
CF_{280}	0.37

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.