43378 Atto 390 alkyne

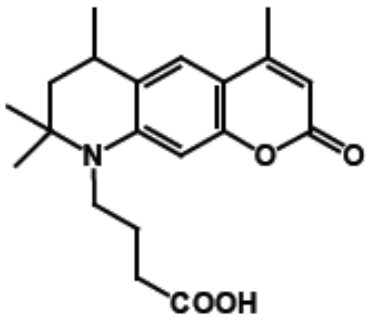
Application

Atto 390 is a novel fluorescent label with a coumarin structure. 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 high fluorescence quantum yield, large Stokes-shift, good photostability and low molecular weight. The **alkyne** modification is suitable for reactions with azide groups (Huisgen reaction - "Click Chemistry").

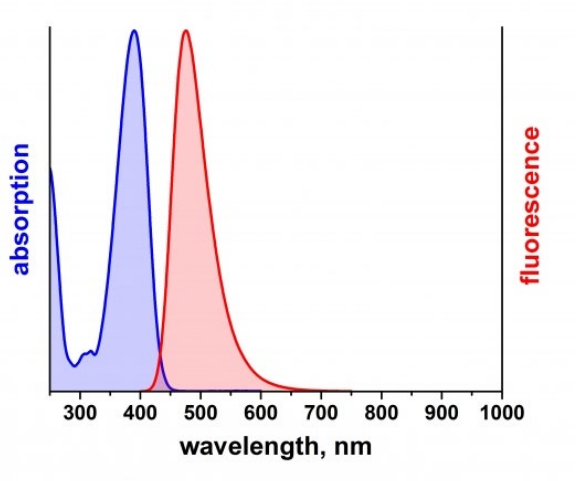
Product Description

MW	380 g/mol
λ_{abs}	390 nm
ε_{max}	2.4 x 10^4 M^{-1} cm^{-1}
λ_{fl}	476 nm
η_{fl}	90 %
τ_{fl}	5.0 ns
CF_{260}	0.46
CF_{280}	0.09

Optical data of the carboxy derivative (in aqueous solution)



Structure of free acid



Storage: Store at –20°C and protected from 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.