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# Product Information

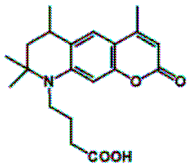
## 89313 Atto 390

### Application

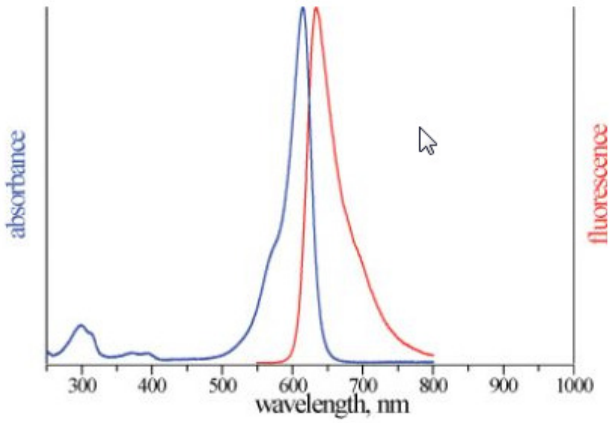
Atto 390 is a novel fluorescent label with a coumarin structure. The dye is intended for application in the area of life science, e.g. labeling of DNA, RNA or proteins. Characteristic features of the label are high fluorescence quantum yield, large Stokes-shift, good photostability and low molecular weight.

### Product Description

| | |
|---|---|
| MW | 343 g/mol |
| $\lambda_{abs}$ | 390 nm |
| $\varepsilon_{max}$ | 2.4 x $10^4$ $M^{-1}$ $cm^{-1}$ |
| $\lambda_{fl}$ | 479 nm |
| $\eta_{fl}$ | 90 % |
| $\tau_{fl}$ | 5.0 ns |
| $CF_{260}$ | 0.52 |
| $CF_{280}$ | 0.08 |




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




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.