

## Product Information

### 47156 Atto 725

#### Application

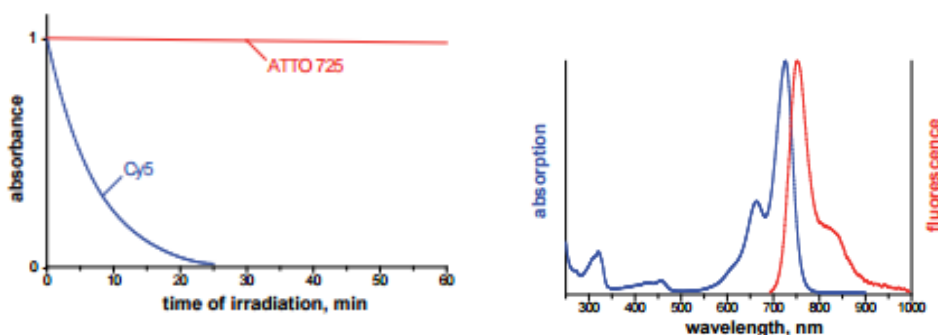
Atto 725 belongs to a new generation of fluorescent labels for the near infrared spectral region. The dye is designed for application in the area of life science, e.g. labeling of DNA, RNA or proteins. Characteristic features of the dye are strong absorption and good fluorescence as well as excellent thermal and photo-stability. Atto 725 is a cationic dye. After coupling to a substrate the dye carries a net electrical charge of  $+1$ .

Atto 725 is a pH sensitive product. While practically stable up to pH 7.4 (PBS-buffer), it slowly degrades at higher pH. If exposed to higher pH for coupling purposes, we recommend reducing the pH immediately after completion of the reaction.

#### Product Description

MW	516 g/mol
$\lambda_{\text{abs}}$	729 nm
$\epsilon_{\text{max}}$	$1.2 \times 10^5 \text{ M}^{-1} \text{ cm}^{-1}$
$\lambda_{\text{fl}}$	752 nm
$\eta_{\text{fl}}$	10%
$\tau_{\text{fl}}$	0.5 ns
$\text{CF}_{260}$	0.10
$\text{CF}_{280}$	0.08

#### 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.