Hans-Adolf-Krebs-Weg 6
37077 Göttingen, Germany
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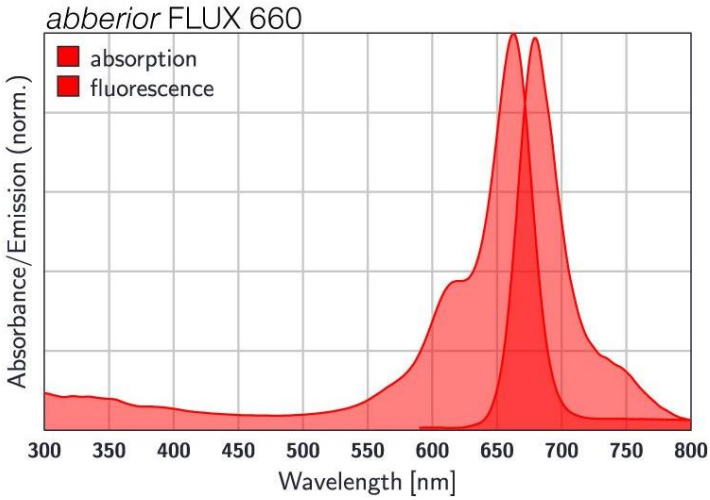
abberior FLUX 660, carboxylic acid, 1 mg

Item number

FX660-0001-1MG

Description

abberior FLUX 660 is a dye developed for MINFLUX imaging in the red spectral region. It combines exceptional photostability, high brightness, and low background labeling with photoswitching kinetics being optimized for MINFLUX imaging. abberior FLUX 660 can be applied with excitation laser wavelengths between 630 - 670 nm together with a detection window between 650 - 750 nm. For MINFLUX imaging abberior FLUX 660 is used with MINFLUX imaging buffers such as GLOX buffer. abberior FLUX 660 can substitute dyes like Alexa Fluor® 660, or CF660®.



Organic fluorescent dye for microscopy.

Properties

Absorption	λ_{ex} [nm]	663
Extinction Coefficient	ε_{max} [$M^{-1}cm^{-1}$]	210000
Emission	λ_{em} [nm]	680
Quantum Efficiency	η_{fl} [%]	19
Fluorescence Lifetime	τ_{fl} [ns]	0.9
Correction Factor 260	CF_{260}	0.13
Correction Factor 280	CF_{280}	0.12
Charge	Δq	-4
Molecular Weight	MW [g/mol]	961.1
Derivative/Conjugate		Carboxylic acid

Photophysical properties were measured for carboxylic acid in PBS pH 7.4.

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Storage

The product contains a vial of lyophilized powder and is shipped at room temperature. Upon arrival, please store the product at -20 °C. For proper long-term storage up to one year, protect the product from light and moisture.

- Our abberior carboxylic acid derivates come as a freeze-dried powder and should be dissolved in DMF, DMSO, or acetonitrile.