

abberior FLUX 647, carboxylic acid, 1 mg

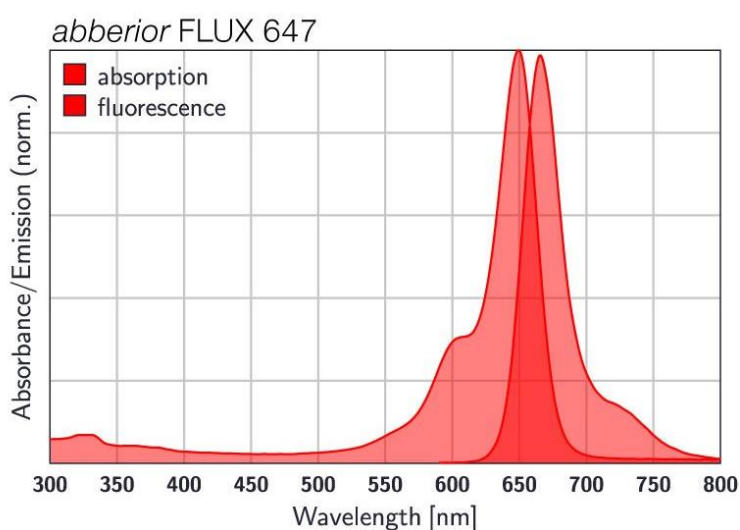
Item number

FX647-0001-1MG

Description

abberior FLUX 647 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 647 can be applied with excitation laser wavelengths between 630 - 650 nm together with a detection window between 650 - 750 nm. For MINFLUX imaging abberior FLUX 647 is used with MINFLUX imaging buffers such as GLOX buffer. abberior FLUX 647 can substitute dyes like Alexa Fluor® 647, or Cy5®.

Organic fluorescent dye for microscopy.



Properties

Absorption	λ_{ex} [nm]	650
Extinction Coefficient	ϵ_{max} [M ⁻¹ cm ⁻¹]	270000
Emission	λ_{em} [nm]	666
Quantum Efficiency	η_f [%]	26
Fluorescence Lifetime	τ_f [ns]	1.1
Correction Factor 260	CF ₂₆₀	0.07
Correction Factor 280	CF ₂₈₀	0.07
Charge	Δq	-3
Molecular Weight	MW [g/mol]	831
Derivative/Conjugate	Carboxylic acid	

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



Hans-Adolf-Krebs-Weg 6
37077 Göttingen, Germany
E-Mail: support@abberior.com
Website: abberior.rocks

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 derivatives come as a freeze-dried powder and should be dissolved in DMF, DMSO, or acetonitrile.