

General Data

- Molecular Mass:** 396.48
- Solubility:** Chloroform, Alcohol, DMF
- Insoluble:** Water
- Storage:** Store in absence of light and refrigerate

Description

- Highly sensitive, hydrophobic fluorescent dye

Applications

- Cell staining
- Fluorescent probe
- Dye for encapsulation in beads
- Gel-electrophoresis

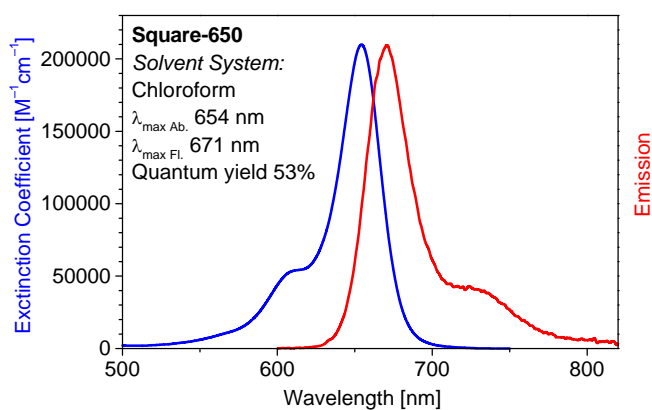
Advantages

- Highly bright fluorescent dye
- Perfectly suited for excitation with the 635 and 650-nm diode lasers

Spectral Data

Solvent	Absorption max. [nm]	Extinction Coefficient [$M^{-1}cm^{-1}$]	Fluorescence max. [nm]	Quantum Yield ¹ [%]
Chloroform	654	210,000	671	53
DMF/water (1:1, v/v)	647		666	29

¹ Excitation at 620 nm



Absorption and emission spectrum of **Square-650** in chloroform