

General Data

- Molecular Mass:** 472.58
Solubility: Chloroform, Alcohol, DMF, DMSO
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

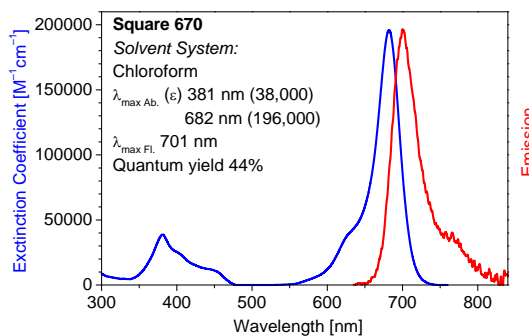
Advantages

- Highly fluorescent probe
- Perfectly suited for excitation with the 380-nm, 405-nm, 635-nm, 650-nm, and 670-nm diode lasers

Spectral Data

Solvent	Absorption max. [nm]	Extinction Coefficient [$M^{-1}\cdot cm^{-1}$]	Fluorescence max. [nm]	Quantum Yield [%]
Chloroform	682 381	196,000 38,000	701	44
Methanol	666		687	8.3
Phosphate buffer pH 7.4	659		677	<0.1
In presence of 1 mg/mL of BSA	683		702	50

¹ Excitation at 655 nm



Absorption and emission spectrum of **Square-670** in chloroform