

General Data

Molecular Mass:	562.58
Solubility:	chloroform, DMF
Insoluble:	water
Storage:	Store out of light, desiccated and refrigerate

Description

- Hydrophobic fluorescent dye

Applications

- Cells' staining
- Fluorescent probe
- Dye for beads

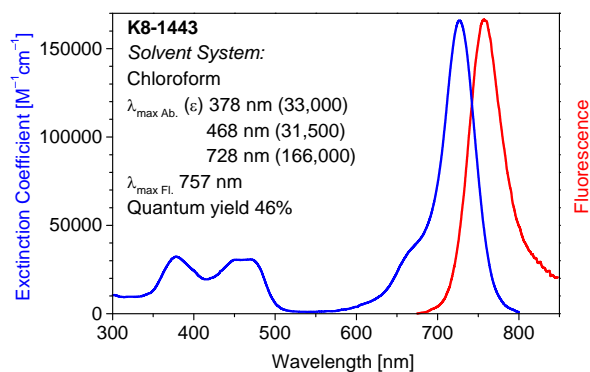
Advantages

- Highly fluorescent dye
- Perfectly suited for excitation with the 380-nm, 405-nm, 470-nm, 680-nm, and 700-nm diode lasers

Spectral Data

Solvent	Absorption max. [nm]	Extinction Coefficient [$M^{-1}cm^{-1}$]	Fluorescence max. [nm]	Quantum Yield ¹ [%]
Chloroform	728 468 378	166,000 31,500 33,000	757	46
Methanol	703		738	2.4
In presence of 1 mg/mL of BSA	722		745	

¹ Excitation at 670 nm



Absorption and fluorescence spectrum of **Square-730** in chloroform