

General Data

- Molecular Mass:** 418.53
Solubility: toluene, alcohol, chloroform, DMF, DMSO
Insoluble: water
Storage: Store in absence of light at room temperature

Description

Fluorescent probe

Applications

- Cells' staining

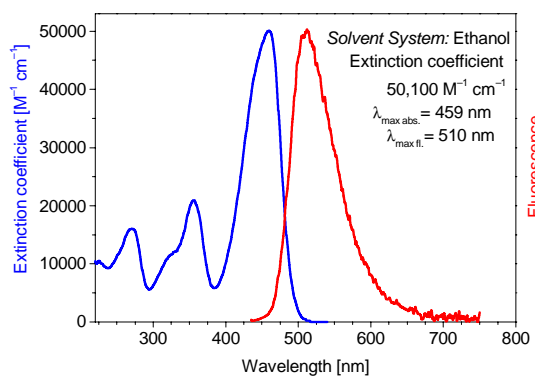
Advantages

- Highly fluorescent probe
- Perfectly suited for excitation with the 380-nm, 436-nm and 470-nm diode lasers

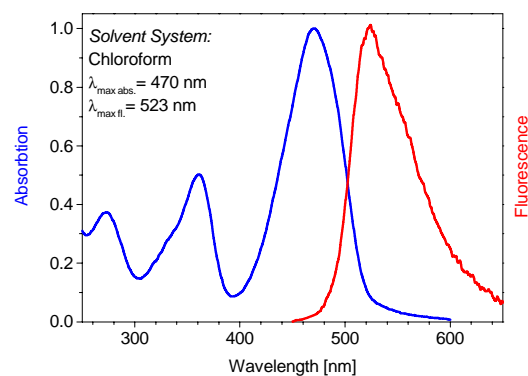
Spectral Data

Sample	Solvent System	Absorption max. [nm]	Extinction Coefficient [$M^{-1}\cdot cm^{-1}$]	Fluorescence ¹ max. [nm]	Q.Y. [%]
Free dye	ethanol	459	50,100	510	1.3
	phosphate buffer	467		515	0.9
	chloroform	470		523	1.7
	toluene	469		522	1.7
	glycerol	470		515	43
	BSA / phosphate buffer	469		512	8.6

¹ Excitation at 450 nm



Absorption and emission spectra of **K8-3010** in ethanol



Absorption and emission spectra of **K8-3010** in chloroform