

Product number: K6-207
Product name: 3-DAB

General Data

- Molecular Mass:** 273.33
Solubility: Alcohol, DMF, DMSO, Toluene
Insoluble: Water (*low solubility*)
Storage: Store in absence of light and refrigerate

Description

- Hydrophobic fluorescent dye

Applications

- Staining of cells
- Fluorescent probe
- Dye for gel electrophoresis

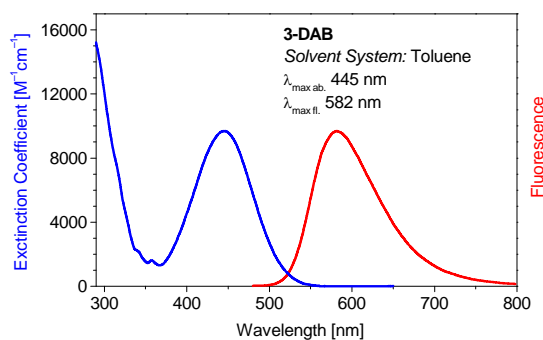
Advantages

- High quantum yield in presence of proteins or in cells
- Perfectly suited for excitation with the 405-nm, 436-nm and 488-nm diode lasers

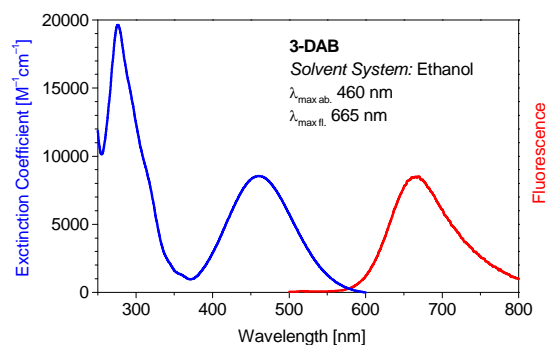
Spectral Data

Solvent	Absorption max. [nm]	Extinction Coefficient [$M^{-1}cm^{-1}$]	Fluorescence max. [nm]	Q.Y. ¹ [%]	Luminescence Lifetime [ns]
Toluene	445	9700	582	43	
Ethanol	460	8600	665	22	4.0
Phosphate buffer pH 7.4	455		700	2	1.5
In presence of 6 mg/mL of BSA	465		637	24	6.5

¹ Excitation at 450 nm



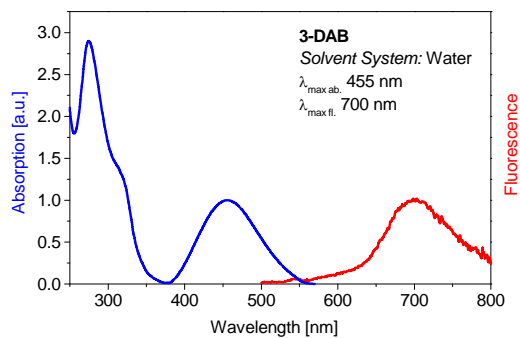
Absorption and emission spectrum of **3-DAB** in toluene



Absorption and emission spectrum of **3-DAB** in ethanol

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Absorption and emission spectrum of **3-DAB** in phosphate buffer pH 7.4