

## General Data

**Molecular Mass:** 273.33

**Solubility:** Alcohol, DMF, DMSO, Toluene

**Insoluble:** Water

**Storage:** Store in absence of light and refrigerate

## Description

Hydrophobic fluorescent dye

## Applications

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

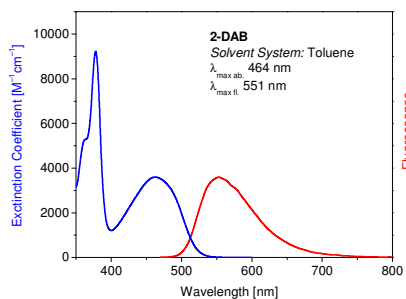
## Advantages

- Highly fluorescent probe
- Perfectly suited for excitation with the 380-nm, 405-nm, and 488-nm lasers
- Extremely large Stokes' shift of over 100 nm

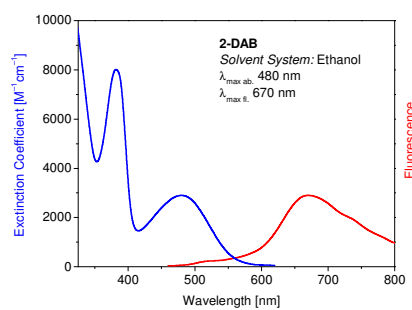
## Spectral Data

Solvent	Absorption max. [nm]	Extinction Coefficient [M <sup>-1</sup> ·cm <sup>-1</sup> ]	Fluorescence max. [nm]	Q.Y. [%]
Ethanol	480	2900	670	1.1
	382	8000		
Toluene	464	3600	551	31
	378	9200		

Excitation at 450 nm



Absorption and emission spectrum of **2-DAB** in toluene



Absorption and emission spectrum of **2-DAB** in ethanol