

### General Data

- Molecular Mass:** 365.40  
**Solubility:** benzene, alcohol, chloroform, DMF, DMSO  
**Insoluble:** water  
**Storage:** Store in absence of light at room temperature

### Description

Cholesterol sensitive fluorescent probe

### Applications

- Determination of cholesterol in biological liquids

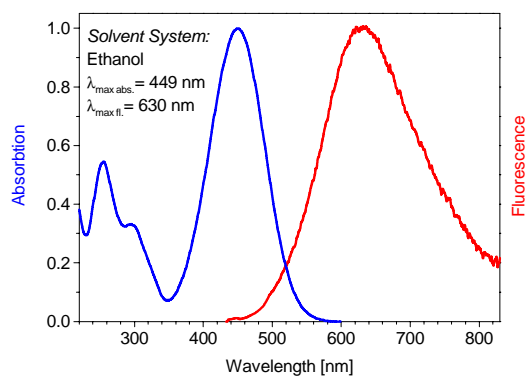
### Advantages

- Highly fluorescent probe.
- Perfectly suited for excitation with the 405-nm, 436-nm and 470-nm diode lasers
- Large Stokes' shift (> 100nm)

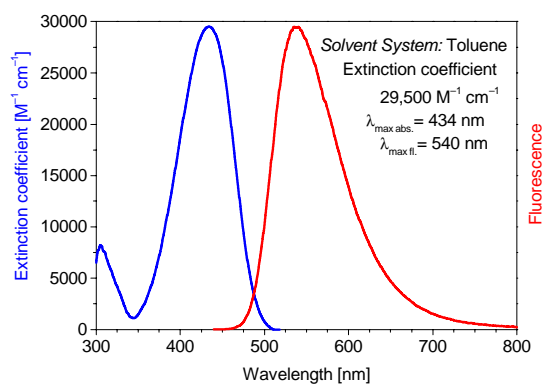
### Spectral Data

Sample	Solvent System	Absorption max. [nm]	Extinction Coefficient [M <sup>-1</sup> .cm <sup>-1</sup> ]	Fluorescence <sup>1</sup> max. [nm]	Q.Y. [%]
Free dye	ethanol	449		630	0.7
	toluene	434	29,500	540	49

<sup>1</sup> Excitation at 420 nm

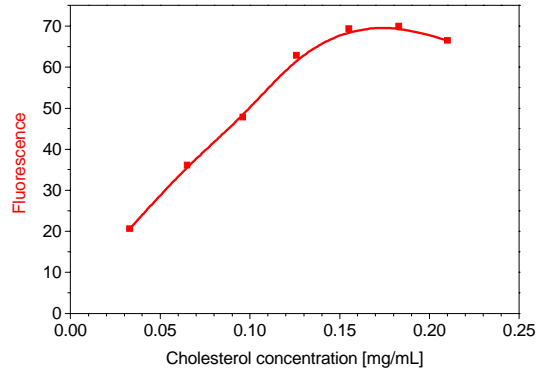


Absorption and emission spectra of **K6-1037** in ethanol



Absorption and emission spectra of **K6-1037** in toluene

**Product number: K6-1037**  
**Product name: K37**



Fluorescence intensity of **K6-1037** vs. cholesterol concentration