

**Product number: K9-4145**

**Product name: SeTau-633-Ethyl-Ester**

## General Data

**Molecular Mass:** 1367.63

**Solubility:** Chloroform, DMF, DMSO

**Insoluble:** Water

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

## Description

- Hydrophobic fluorescent probe for cell-based applications

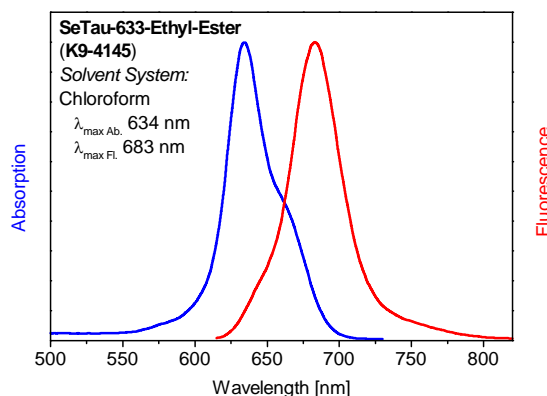
## Advantages

- Perfectly suited for excitation with the 633-nm or 635-nm diode lasers
- Highly sensitive; high extinction coefficient and high quantum yield
- High photostability
- High chemical stability e.g. against oxidation
- Penetrates passively through cell-membranes
- Ester group is internally cleaved by esterases to cell-impermeable carboxyl groups

## Spectral Data

Media	Absorption max. [nm]	Extinction Coefficient [M <sup>-1</sup> cm <sup>-1</sup> ]	Fluorescence max. [nm]	Quantum Yield <sup>1</sup> [%]
Chloroform	634	88,000	683	68

<sup>1</sup> Excitation at 610 nm

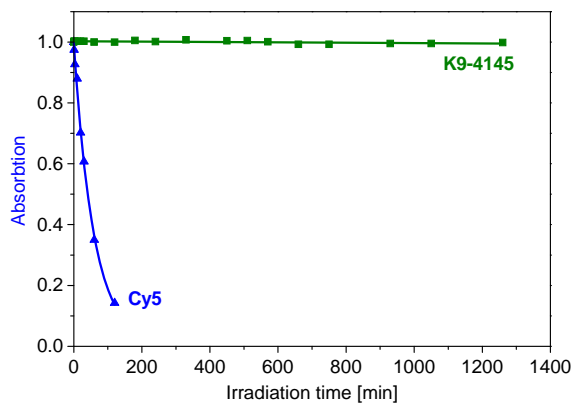


Absorption and emission spectrum of **SeTau-633-Ethyl-Ester (K9-4145)** in chloroform

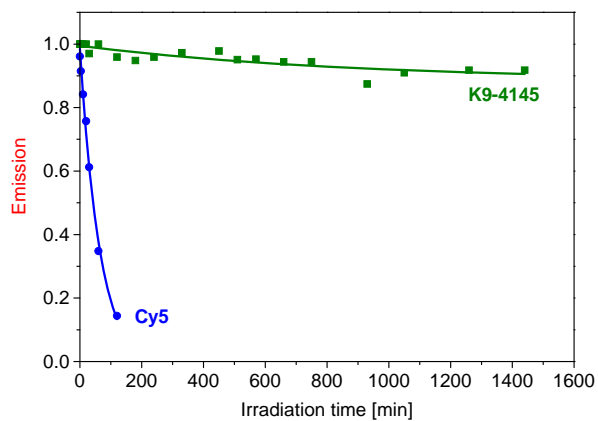
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### Photostability



Decrease of the absorption intensity of **SeTau-633-Ethyl-Ester (K9-4145)** in chloroform when irradiated with light



Decrease of the emission intensity of **SeTau-633-Ethyl-Ester (K9-4145)** in chloroform when irradiated with light