

General Data

Molecular Mass: 1215.09

Solubility: Water, Acetone, Alcohol, DMF, DMSO

Insoluble: -

Storage: Store in absence of light and refrigerate

Description

High affinity, cell-impermeant nucleic acid stain for staining of dsDNA (same as YOYO-1)

Applications

- Staining of double stranded DNA
- Fluorescent probe

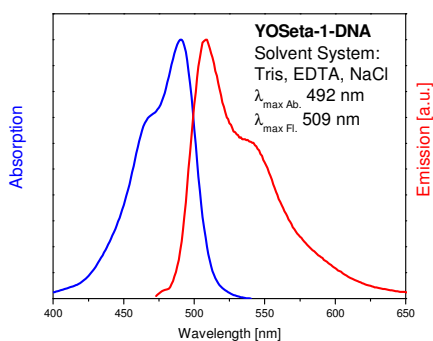
Advantages

- Excitable with 488-nm argon laser
- YO-Seta-1 exhibits an over a thousand-fold intensity increase when bound to dsDNA

Spectral Data

Solvent	Absorption max. [nm]	Extinction Coefficient [M ⁻¹ ·cm ⁻¹]	Fluorescence* max. [nm]	Quantum Yield [%]
In presence of dsDNA	492	98,800	509	52

* Excitation at 630 nm



Absorption and emission spectrum of YOSeta-1 in presence of dsDNA