

**Product number: KS-550**  
**Product name: 510 – 560 nm Fluorescence Polarization Standard**

**General Data**

- Solubility:** Water, alcohol, DMF, DMSO  
**Insoluble:** Hexane, toluene  
**Storage:** Store in absence of light and refrigerate

**Description**

- Fluorescence polarization standard for the excitation range between 510 and 560 nm

**Applications**

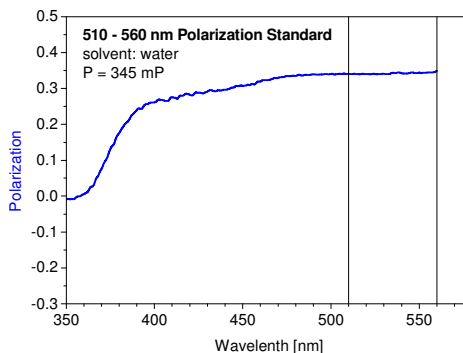
- Calibration of fluorescence instrumentation equipped with polarizers

**Storage**

- Refrigerated in absence of light

**Spectral Data**

Solvent	Absorption max. [nm]	Excitation Range [nm]	Emission max. [nm]	Emission Range [nm]	Polarization at 25 °C [mP]
Water	549	510–560	565	560–590	345±3



Excitation Polarization Spectrum of Standard at 25 °C in water.  
The fluorescence polarization is constant at 345±3 mP between 510 nm and 560 nm

**Sample Preparation**

The standard kit consists of 4 vials of the standard supplied as a solid in a 5 mL vial. The supplied standard is to be injected in its original vial with 4 mL of distilled or deionized water. For measurement the solution is then transferred to an optical cuvette using a syringe filter, e.g. a 0.45 mm GHP ACRODISC (PALL), (not included). Do not store these solutions for an extended period of time.