

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

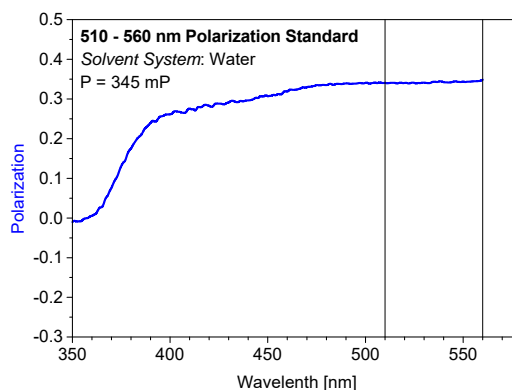
- Calibration of fluorescence instrumentation equipped with polarizers

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 is supplied as a solid in a 7 mL vial. The supplied standard is to be dissolved in its original vial with 4 mL of distilled or deionized water. For measurements the solution is then transferred to an optical cuvette using a syringe filter, e.g. 0.45 mm GHP ACRODISC (PALL), (not included). Do not store these solutions for an extended period of time.