



CERTIFICATE of ANALYSIS

PRODUCT: 5 FAM Diacetate (5-Carboxyfluorescein diacetate), M.W. 460 g/mol, CAS# [79955-27-4]

PRODUCT NUMBER: C-1391

LOT NUMBER: D1279

APPEARANCE: Off-white solid

SOLUBILITY: Soluble in DMSO

PRODUCT INFORMATION: Product does not fluoresce until acetate groups hydrolyze, then has fluorescent properties of fluorescein.

PRODUCT DESCRIPTION: Non-fluorescent derivative of 5-Carboxyfluorescein.

PURITY (TLC)

Solvent: 10% Methanol in chloroform
R_f: 0.4

PURITY (HPLC)

Column: C₁₈
Detector settings: 254nm, 455nm
Purity: 95%

ABSORBANCE SPECTRUM

Solvent: 0.05M KOH
λ max: 490nm
ε: 77,500M⁻¹ cm⁻¹

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FLUORESCENCE SPECTRUM

Solvent: 0.05M KOH
Emission λ max: 515nm
Excitation λ max: 494nm

STORAGE & HANDLING: Store at -20°C. **PROTECT FROM LIGHT & MOISTURE!**

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: AD