

Catalog Number F1907
Product Name fluorescein-5-isothiocyanate (FITC 'Isomer I') *special packaging*
CAS Number / Name 3326-32-7 / Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-dihydroxy-5-isothiocyanato-
Molecular Formula C₂₁H₁₁NO₅S
Molecular Weight 389.38
Appearance orange solid
Lot Number 1922624

	LOT DATA	SPECIFICATION
Absorption ¹ Maximum Extinction	494 nm 72000 cm ⁻¹ M ⁻¹	494 ± 3 nm 78000 ± 7000 cm ⁻¹ M ⁻¹
Fluorescence ¹ Emission Maximum	521 nm	520 ± 4 nm
HPLC ² Isomer Purity	98 % at 254 nm	≥ 97 % at 254 nm
HPLC ³ Purity	98 % at 254 nm	≥ 95 % at 254 nm
NMR Result	meets specification	consistent with structure
Miscellaneous Information Material Lot Number	1732972	N/A

1. Solvent: Buffer, 50 mM potassium phosphate (pH 9).
2. Method: Compositional Analysis.
3. Method: Derivatized with n-butylamine. Purity value represents total reactive dye content.



Rachel Smith, Quality Assurance Manager
28-Sep-2015

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.