



## CERTIFICATE OF ANALYSIS

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### 1. Identification

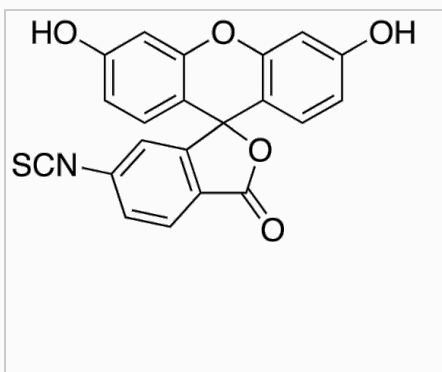
**Catalogue Number:** F485705

**CAS Number:** 18861-78-4

**Product:** Fluorescein 6-Isothiocyanate, Isomer 2, 95%

**Synonym:** FITC

**Structure:**



**Molecular Formula:**

C<sub>21</sub>H<sub>11</sub>NO<sub>5</sub>S

**Molecular weight:**

389.39

**Source of Product:**

Synthetic

**Solubility:**

DMSO (Slightly), Ethyl Acetate (Slightly), Methanol (Slightly)

**Lot Number:** 8-RCD-89-1

**Purity:** 97%

**Shipping Condition:** This Product Is Stable To Be Shipped With Blue Ice

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:** Light Sensitive

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Dark Yellow to Dark Orange Solid	Dark Yellow to Dark Orange Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 64.12, %H: 2.81, %N: 3.52
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms

**Additional Information:**

TLC Conditions: SiO<sub>2</sub>; Ethyl Acetate : Hexanes = 1 : 1; Visualized with UV and AMCS; Single Spot, R<sub>f</sub> = 0.45. Elemental Analysis: (Theoretical) %C: 64.78, %H: 2.85, %N: 3.60 Contains: ~1.4% Ethyl Acetate

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Eric Beaton	My Nguyen	10/24/2019	10/22/2026