



CERTIFICATE OF ANALYSIS

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1. Identification

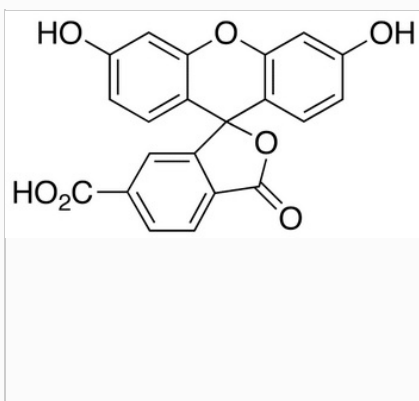
Catalogue Number: C178325

CAS Number: 3301-79-9

Product: 6-Carboxyfluorescein

Synonym: 3',6'-Dihydroxy-3-oxo-spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-6-carboxylic Acid; (3,6,9-Trihydroxyxanthen-9-yl)terephthalic Acid; 6-FAM;

Structure:



Molecular Formula:

C₂₁H₁₂O₇

Molecular weight:

376.32

Source of Product:

Synthetic

Solubility:

Dichloromethane (Slightly),
DMF (Slightly), DMSO
(Slightly), Methanol (Slightly)

Lot Number: 3-AQL-177-3

Purity: 98%

Shipping Condition: This Product Is Stable To Be
Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|--------------------|----------------------------------|---------------------------------------|
| Appearance | Yellow to Very Dark Orange Solid | Dark Yellow to Very Dark Orange Solid |
| NMR | Conforms to Structure | Conforms |
| HPLC Purity | Report Result | 99.52% (225 nm) |
| Elemental Analysis | Conforms | %C: 58.51, %H: 3.43, %N: 0.61 |
| MS | Conforms to Structure | Conforms |
| Water Content | Report Result | ~9.8% based on Elemental Analysis |

Additional Information:

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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 |
|-------------|---------------|---------------------|-----------|-------------|
| Nicole Yip | Toni Rantanen | Christina Gouliaras | 5/18/2022 | 5/16/2032 |