



## CERTIFICATE OF ANALYSIS

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### 1. Identification

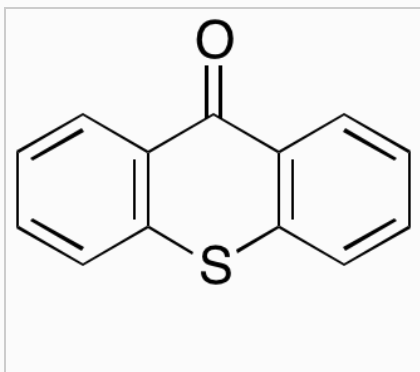
**Catalogue Number:** T384500

**CAS Number:** 492-22-8

**Product:** Thioxanthen-9-one

**Synonym:** 10-Thioxanthone; 9-Thianthracen-10-one; 9-Thioxanthone; 9H-Thioxanthen-9-one; 9-Oxo-9H-thioxanthene; Esacure ITX; NSC 15912; NSC 54677; NSC 658181; Thioxanthenone; Thioxanthon; Thioxanthone; Thioxanthenone; Thioxanthone; Thioxanthone TX;

**Structure:**



**Molecular Formula:**

C<sub>13</sub>H<sub>8</sub>OS

**Molecular weight:**

212.27

**Source of Product:**

N/A

**Solubility:**

Chloroform (Slightly),  
Methanol (Slightly)

**Lot Number:** 21-ZEA-98-1

**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:
Elemental Analysis	Conforms	%C: 73.24, %H: 3.79
Appearance	Pale Yellow to Light Yellow Solid	Light Yellow Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	100.00% (255 nm)

**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 ± 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	Chanell Chu	8/16/2021	8/14/2025