



CERTIFICATE OF ANALYSIS

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1. Identification

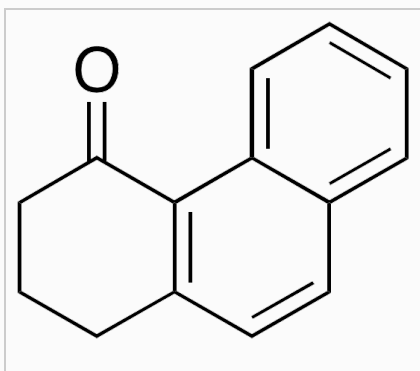
Catalogue Number: T295685

CAS Number: 778-48-3

Product: 1,2,3,4-Tetrahydrophenanthren-4-one

Synonym: 2,3-Dihydro-4(1H)-phenanthrenone; 1,2-Dihydro-4(3H)-phenanthrenone; 2,3-Dihydrophenanthren-4(1H)-one; 4-Oxo-1,2,3,4-tetrahydrophenanthrene; NSC 402373; NSC 46664

Structure:



Molecular Formula:

C₁₄H₁₂O

Molecular weight:

196.24

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethyl Acetate (Slightly)

Lot Number: 4-GRS-13-2

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Beige Solid	Light Beige to Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 85.40, %H: 6.21
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	99.82%

Additional Information: NA

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
Eric Beaton	Philip Chan	Clarissa Santos	2/21/2019	2/19/2026