



CERTIFICATE OF ANALYSIS

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1. Identification

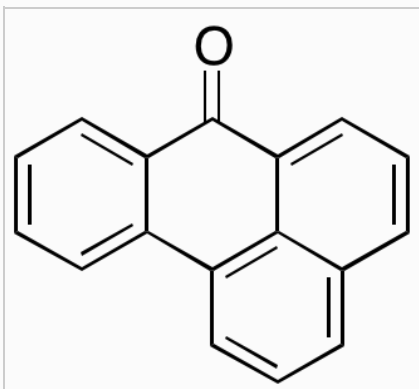
Catalogue Number: B120590

CAS Number: 82-05-3

Product: Benzanthrone

Synonym: 7H-Benz[de]anthracen-7-one; 1,9-Benz-10-anthrone; 7-Oxobenz[de]anthracene; Benzanthrenone; Benzoanthrone; NSC 5189; NSC 631641; Naphthanthrone

Structure:



Molecular Formula:

C₁₇H₁₀O

Molecular weight:

230.26

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly, Sonicated)

Lot Number: 12-QIU-109-1

Purity: 95%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|--------------------|------------------------------|--------------------------------|
| Appearance | Light Yellow to Yellow Solid | Light Yellow Solid |
| NMR | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 88.54, %H: 4.32 |
| MS | Conforms to Structure | Conforms |
| FT-IR | Conforms to Structure | Conforms |
| UV Absorbance | Report Result | 260 nm, 286 nm, 307 nm, 392 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 $\pm 2\%$. 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 |
|--------------|---------------|--------------------|------------|-------------|
| Swathi Reddy | Toni Rantanen | Chanell Chu | 10/14/2021 | 10/12/2025 |