



CERTIFICATE OF ANALYSIS

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1. Identification

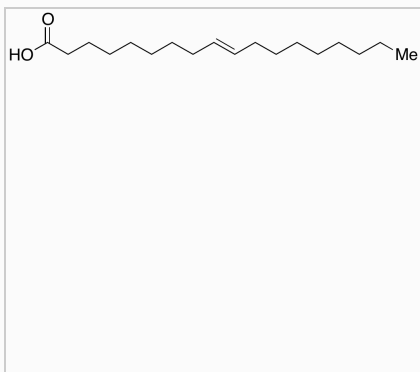
Catalogue Number: E500200

CAS Number: 112-79-8

Product: Elaidic Acid

Synonym: (9E)-Octadecenoic acid; (E)-9-Octadecenoic acid; (E)-Oleic acid; 9-trans-Octadecenoic acid; 9-trans-Oleic acid; Elaidinic acid; NSC 26988; trans-9-Octadecenoic acid; trans-Elaidic acid; trans-Oleic acid; trans-Δ9-Octadecenoic acid; Δ9-trans-Octadecenoic acid

Structure:



Molecular Formula:

C₁₈H₃₄O₂

Molecular weight:

282.46

Source of Product:

N/A

Solubility:

Chloroform (Soluble),
Methanol (Slightly)

Lot Number: 2023-JPO-324

Purity: 98%

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 | White to Off-White Low-Melting Solid | White to Off-White Low-Melting Solid |
| NMR | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 76.28, %H: 12.37 |
| GC Purity | Report Result | 100.00% |
| MS | Conforms to Structure | Conforms |

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 |
|--------------|---------------|---------------------|-----------|-------------|
| Sarbjit Kaur | Toni Rantanen | Christina Gouliaras | 8/3/2023 | 8/1/2027 |