



CERTIFICATE OF ANALYSIS

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1. Identification

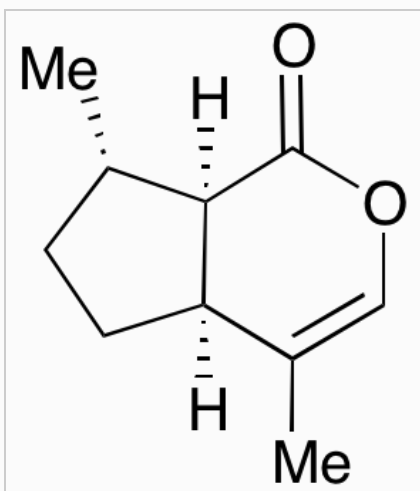
Catalogue Number: N390085

CAS Number: 21651-62-7

Product: cis-trans Nepetalactone

Synonym: (4aS,7S,7aR)-5,6,7,7a-Tetrahydro-4,7-dimethylcyclopenta[c]pyran-1(4aH)-one; [4aS-(4aa,7a,7aa)]-5,6,7,7a-Tetrahydro-4,7-dimethylcyclopenta[c]pyran-1(4aH)-one; (+)-cis,trans-Nepetalactone; (4aS,7S,7aR)-Nepetalactone; 4aa,7a,7aa-Nepetalactone;

Structure:



Molecular Formula:

C₁₀H₁₄O₂

Molecular weight:

166.22

Source of Product:

Synthetic

Solubility:

Chloroform (Sparingly),
Diethyl Ether (Sparingly),
Ethyl Acetate (Slightly), Met

Lot Number: 28-MAR-111-3

Purity: 97%

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	Colourless Oil	Colourless Oil
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.56% (228 nm)
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 72.48, %H: 8.63
Specific Rotation	Report Result	+22.6° (c = 2.0, Diethyl Ether)

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
Neha Khanna	Toni Rantanen	Chanell Chu	10/5/2021	10/3/2025
				