



CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number:

E589400

CAS Number: 24198-95-6

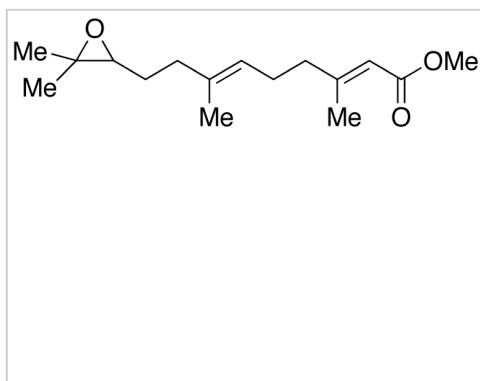
Product:

trans-trans-10,11-Epoxy Farnesenic Acid Methyl Ester

Synonym:

(2E,6E)- 9-(3,3-Dimethyl-2-oxiranyl)-3,7-dimethyl-2,6-nonadienoic Acid Methyl Ester; (E,E)-(±)-10,11-Epoxy-3,7,11-trimethyl-2,6-dodecadienoic Acid Methyl Ester; (E,E)-Methyl 3,7,11-trimethyl-10,11-epoxy-2,6-dodecadienoate; (±)-Juvenile Hormone III; Methyl RS-(±)-10,11-Epoxyfarnesate;

Structure:



Molecular Formula:

C₁₆H₂₆O₃

Molecular weight:

266.38

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Methanol (Slightly)

Lot Number:

3-JEP-100-2

Purity:

95%

Shipping Condition:

This Product Is Stable To Be Shipped At Room Temperature

Storage Condition:

Amber Vial, -20°C Freezer

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:

Appearance

NMR

Elemental Analysis

MS

HPLC Purity

Specifications:

Colourless to Pale Yellow Oil

Conforms to Structure

Conforms

Conforms to Structure

Report Result

Results:

Clear Colourless to Pale Yellow Oil

Conforms

%C: 72.32, %H: 9.81

Conforms

95.83% (220 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

Neha Khanna
Reviewed By

Toni Rantanen
Reviewed By

Chapel Chu
C of A Approved By

Test Date

8/6/2021

Retest Date

8/4/2025

Neha



Chanelle Gu