

## 1. Identification

**Catalogue Number**

B399805

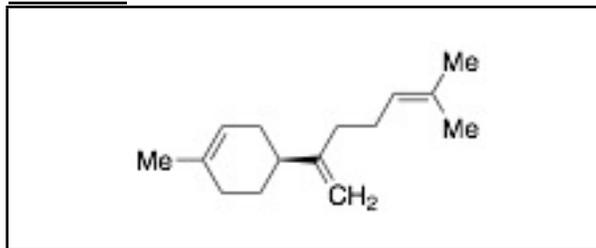
**Lot Number**

2022-ZEA-042

**Product Name**

(-)-b-Bisabolene (>85%)

**Structure**



**Synonyms**

(S)-(-)-6-Methyl-2-(4-methyl-3-cyclohexen-1-yl)-1,5-heptadiene; (4S)-1-Methyl-4-(5-methyl-1-methylene-4-hexenyl)-cyclohexene; (S)-1-Methyl-4-(5-methyl-1-methylene-4-hexenyl)-cyclohexene; β-Bisabolene; (4S)-1-Methyl-4-(5-methyl-1-methylene-4-hexen-1-yl)cyclohexene; (S)-1-Methyl-4-(5-methyl-1-methylene-4-hexenyl)-1-cyclohexene; l-β-Bisabolene; (S)-1-Methyl-4-(5-methyl-1-methylene

**CAS Number**

495-61-4

**Solubility**

DMSO (Slightly), Ethanol (Slightly), Methanol (Slightly)

**Shipping Condition**

This Product Is Stable To Be Shipped At Room Temperature

**Molecular Formula**

C<sub>15</sub>H<sub>24</sub>

**Source of Product**

N/A

**Long Term Storage Conditions**

4°C, Light sensitive

**Molecular Weight**

204.35

**Purity**

>85%

## 2. Warnings

Light Sensitive

## 3. Analytical Information

**Tests**

Appearance

**Specifications**

Colourless to Light Yellow Oil

**Results**

Clear Colourless Oil

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 88.17, %H: 12.07

HPLC Purity

Report Result

94.13% (200 nm)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

-69.9° (c = 0.1, Ethanol)

**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**

*Sarbjit Kaur*

Sarbjit Kaur

Product Quality Specialist

**Reviewed by**

*Toni Rantanen*

Toni Rantanen

Manager, Quality Assurance

**C of A Approved by**

*Christina Gouliaras*

Christina Gouliaras

Quality Assurance Associate

**Test Date**

11/23/2022

**Retest Date**

11/21/2026