



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

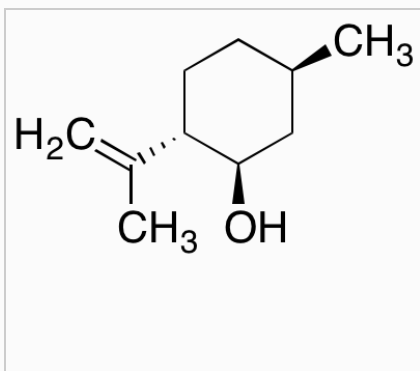
Catalogue Number: I874650

CAS Number: 89-79-2

Product: (-)-Isopulegol

Synonym: (1R,2S,5R)-5-Methyl-2-(1-methylethenyl)cyclohexanol; [1R-(1 α ,2 β ,5 α)]-5-Methyl-2-(1-methylethenyl)cyclohexanol; (1R,3R,4S)-(-)-p-Menth-8-en-3-ol; l-Isopulegol; (-)-L-Isopulegol; (1R,2S,5R)-(-)-Isopulegol; (1R,2S,5R)-2-Isopropenyl-5-methylcyclohexanol; Isopugenol I; Isopulegol; Isopulegol I; L-Isopulegol; iso-Pulegol; l-Isopulegol;

Structure:



Molecular Formula:

C₁₀H₁₈O

Molecular weight:

154.25

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Ethyl Acetate (Slightly)

Lot Number: 2023-GHZ-223

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	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
GC Purity	Report Result	99.58%
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-12.0° (c = 1.0, Chloroform)
Elemental Analysis	Conforms	%C: 77.79, %H: 11.94

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
Sarbjit Kaur	Toni Rantanen	Chanell Chu	10/3/2023	10/1/2027
				