



(–)-Isopulegol

Cat. No.:	OB0626WX-1796
Appearance:	Liquid
Purity:	≥98%
Identity:	Confirmed by NMR, TLC, IR, and HPLC.
Size:	25 g; 50 g; 100 g; 250 g

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	(–)-Isopulegol is a naturally occurring monoterpene alcohol found within the essential oils of aromatic flora, including the genus <i>Cannabis</i> . It demonstrates a diverse pharmacological profile that includes broad-spectrum antibacterial and antifungal activities, targeted disruption of fungal biofilm architecture, and notable central nervous system-depressant, anxiolytic, and gastroprotective properties <i>in vivo</i> .
Synonyms	5 <i>R</i> -methyl-2 <i>S</i> -(1 <i>R</i> -methylethenyl)-cyclohexanol; l-Isopulegol; (-)-Isopulegol; Isopulegol; 89-79-2; coolact P; (1 <i>R</i> ,2 <i>S</i> ,5 <i>R</i>)-5-methyl-2-prop-1-en-2-ylcyclohexanol; p-Menth-8-en-3-ol; (-)-L-Isopulegol; (1<i>i>R,2 <i>S</i> ,5 <i>R</i>)>2-Isopropenyl-5-methylcyclohexanol; Cyclohexanol, 5-methyl-2-(1-methylethenyl)-, (1 <i>R</i> ,2 <i>S</i> ,5 <i>R</i>)-; iso-Pulegol; (1<i>i>R,3 <i>R</i> ,4 <i>S</i>)>(-)-p-Menth-8-en-3-ol; p-8(9)-Menthen-3-ol; rel-(1<i>i>R,2 <i>S</i> ,5 <i>R</i>)>5-Methyl-2-(1-methylethenyl)cyclohexanol; rel-(1 <i>R</i> ,2 <i>S</i> ,5 <i>R</i>)-5-Methyl-2-(prop-1-en-2-yl)cyclohexan-1-ol; Isopulegol (natural); rac-isopulegol; 1-isopulegol; 8,9-Menthen-3-ol; p-Menth-8(9)-en-3-ol; (1 <i>R</i> ,2 <i>S</i> ,5 <i>R</i>)-2-isopropenyl-5-methyl-cyclohexanol; (1 <i>R</i> ,2 <i>S</i> ,5 <i>R</i>)-5-Methyl-2-(1-propen-2-yl)cyclohexanol; 5-Methyl-2-(1-methylethenyl)-(1 <i>R</i> ,2 <i>S</i> ,5 <i>R</i>)-Cyclohexanol; 2-Isopropenyl-5-methylcyclohexanol-, (1 <i>R</i> -(1α,2β,5α))-
CAS No.	89-79-2
Compound CID	170833
Formula	C ₁₀ H ₁₈ O
Formula Weight	154.3

Specification



Solubility in DMSO	30 mg/mL
Solubility in Ethanol	30 mg/mL
Solubility in DMF	30 mg/mL
IUPAC Name	(1R,2S,5R)-5-methyl-2-prop-1-en-2-ylcyclohexan-1-ol
InChI	InChI=1S/C10H18O/c1-7(2)9-5-4-8(3)6-10(9)11/h8-11H,1,4-6H2,2-3H3/t8-,9+,10-/m1/s1
InChI Key	ZYTMANIQRDEHIO-KXUCPTDWSA-N
Canonical SMILES	<chem>CC([C@@H]1CC[C@@H](C)C[C@H]1O)=C</chem>
Stability	1 year
Storage	Storage at room temperature.
Applications	(–)-Isopulegol serves as an isolated monoterpene alcohol standard for analytical characterization and terpene profiling, facilitating method development in gas chromatography systems and supporting structural conformation studies.