

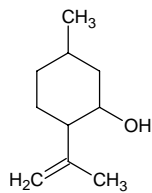
# isopulegol

## イソプレゴール

Formula C<sub>10</sub>H<sub>18</sub>O

Mol. Wt. 154.25

CAS No. 89-79-2



SEQ No. 1442 脂肪族高級アルコール類

FEMA No. 2962

JECFA No. 755

	JFFMA	JECFA	FCC
Chemical name	isopulegol	Isopulegol	Isopulegol
Content (NLT)	90.0 % (GC) sum of isomers	95 % total of isomers	95.0 % total alc. as C <sub>10</sub> H <sub>18</sub> O  /Chem(Appendix VI; 1.2 g/ 77.12 2h reflux)
Refractive index	1.467-1.477 (n <sub>20</sub> D)	1.468-1.477 (n <sub>20</sub> D)	1.470-1.475 (n <sub>20</sub> D)
Specific gravity	0.905-0.918 (d <sub>20</sub> /20)	0.904-0.913 (d <sub>25</sub> /25)	0.904-0.913 (d <sub>25</sub> /25)
Acid value (NMT)		1.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			AR: -7 to 0°
Heavy metals (NMT)			
Solubility in ethanol		miscible	1 mL in 4 mL 60% alc gives clear soln
Other requirements			1.0% as citronellal (M-2d, 10 g/ 77.13)
Identification*	IR : 1,2,5 MS : 4,5 NMR :	IR	IR

### \*References

- 1: Joint FAO/WHO Expert Committee on Food Additive (JECFA)
- 2: Food Chemicals Codex (FCC)
- 3: 有機化合物のスペクトルデータベース SDBS(独立行政法人産業技術総合研究所)
- 4: Wiley's Registry of Mass spectral Database
- 5: NIST/EPA/NIH Mass Spectral Library
- 6: Sigma-Aldrich