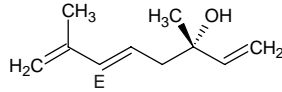


l-3,7-dimethyl-1,5,7-octatrien-3-ol

l-trans-3,7-ジメチル-1,5,7-オクタトリエン-3-オール

Formula C₁₀H₁₆O

Mol. Wt. 152.23



CAS No. 20053-88-7

SEQ No. 633 脂肪族高級アルコール類

FEMA No. 3830

JECFA No. 1154

	JFFMA	JECFA	FCC
Chemical name	l-3,7-dimethyl-1,5,7-octatrien-3-ol	(E,R)-3,7-Dimethyl-1,5,7-octatrien-3-ol	
Content (NLT)	95.0 % (GC)	93 %	
Refractive index	1.487-1.497 (n _{20D})	1.458-1.468 (n _{20D})	
Specific gravity	0.882-0.892 (d _{20/20})	0.877-0.884 (d _{25/25})	
Acid value (NMT)		1.0	
Melting/Congeealing point			
Angular/Specific rotation	AR: -30 to -10° (α _{20D})		
Heavy metals (NMT)			
Solubility in ethanol		50% soluble in ethanol	
Other requirements		SC: Linalool, Linalool oxide and Nerol oxide	
Identification*	IR :1 MS :1,4,5 NMR :1	MS IR NMR	

*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