

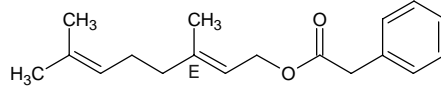
geranyl phenylacetate

ゲラニル フェニルアセテート

Formula C₁₈H₂₄O₂

Mol. Wt. 272.38

CAS No. 102-22-7



SEQ No. 1009 エステル類

FEMA No. 2516

JECFA No. 1020

	JFFMA	JECFA	FCC
Chemical name	geranyl phenylacetate	Geranyl phenylacetate	Geranyl Phenylacetate
Content (NLT)	97.0 % (Chem)	97 %	97.0 % total esters as C ₁₈ H ₂₄ O ₂ /Chem(Appendix VI; 1.6g/136.2)
Refractive index	1.507-1.513 (n _{20D})	1.501-1.512 (n _{20D})	1.506-1.511 (n _{20D})
Specific gravity	0.978-0.984 (d _{20/20})	0.971-0.978 (d _{25/25})	0.971-0.978 (d _{25/25})
Acid value (NMT)	1.0	3.0	2.0
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 mL in 4 mL 90% ethanol	1 mL in 4 mL 90% alc gives clear soln
Other requirements			
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