

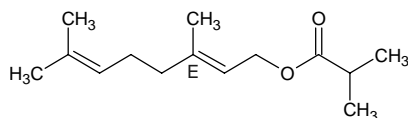
geranyl isobutyrate

ゲラニル イソブチレート

Formula C₁₄H₂₄O₂

Mol. Wt. 224.34

CAS No. 2345-26-8



SEQ No. 1006 エステル類

FEMA No. 2513

JECFA No. 72

	JFFMA	JECFA	FCC
Chemical name	geranyl isobutyrate	Geranyl isobutyrate	
Content (NLT)	97.0 % (Chem)	95 % by ester determination	
Refractive index	1.451-1.461 (n _{20D})	1.451-1.457 (n _{20D})	
Specific gravity	0.890-0.900 (d _{20/20})	0.885-0.893 (d _{20/4})	
Acid value (NMT)	1.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements		equivalence factor for assay = 112.17	
Identification*	IR : 1,5 MS : 4,5 NMR :	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