

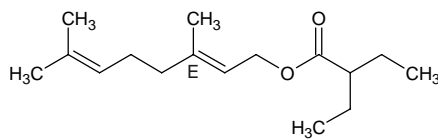
geranyl 2-ethylbutyrate

ゲラニル 2-エチルブチレート

Formula C₁₆H₂₈O₂

Mol. Wt. 252.39

CAS No. 73019-14-4



SEQ No. エステル類

FEMA No. 3339

JECFA No. 78

| | JFFMA | JECFA | FCC |
|---------------------------|-----------------------------------|---|-----|
| Chemical name | geranyl 2-ethylbutyrate | Dimethyl-2,6-octadien-1-yl 2-ethylbutanoate | |
| Content (NLT) | 90.0 % (GC) sum of isomers | 95 % by ester determination | |
| Refractive index | 1.451-1.461 (n _{20D}) | 1.449-1.458 (n _{20D}) | |
| Specific gravity | 0.883-0.893 (d _{20/20}) | 0.889-0.896 (d _{25/25}) | |
| Acid value (NMT) | 1.0 | | |
| Melting/Congeealing point | | | |
| Angular/Specific rotation | | | |
| Heavy metals (NMT) | | | |
| Solubility in ethanol | | - | |
| Other requirements | | (equivalence factor for assay = 126.20) | |
| Identification* | IR : 1 MS : 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