

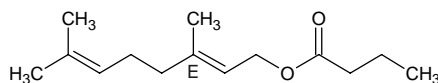
# geranyl butyrate

## ゲラニル ブチレート

Formula C<sub>14</sub>H<sub>24</sub>O<sub>2</sub>

Mol. Wt. 224.34

CAS No. 106-29-6



SEQ No. 1002 エステル類

FEMA No. 2512

JECFA No. 66

	JFFMA	JECFA	FCC
Chemical name	geranyl butyrate	Geranyl butyrate	Geranyl Butyrate
Content (NLT)	97.0 % (Chem)	92 % total esters	92.0 % total esters as C <sub>14</sub> H <sub>24</sub> O <sub>2</sub> /Chem(Appendix VI; 1.0g/112.2)
Refractive index	1.453-1.463 (n <sub>20D</sub> )	1.455-1.462 (n <sub>20D</sub> )	1.455-1.462 (n <sub>20D</sub> )
Specific gravity	0.894-0.904 (d <sub>20/20</sub> )	0.889-0.904 (d <sub>25/25</sub> )	0.889-0.904 (d <sub>25/25</sub> )
Acid value (NMT)	1.0	1	1.0
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 6 ml 80% alcohol	1 mL in 6 mL 80% alc
Other requirements		SC: geraniol, nerol	
Identification*	IR : 1,2,3,5 MS : 4,5 NMR : 3	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