

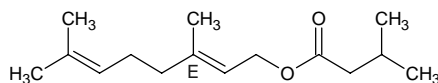
# geranyl isovalerate

## ゲラニル イソバレレート

Formula C<sub>15</sub>H<sub>26</sub>O<sub>2</sub>

Mol. Wt. 238.37

CAS No. 109-20-6



SEQ No. 1007 エステル類

FEMA No. 2518

JECFA No. 75

	JFFMA	JECFA	FCC
Chemical name	geranyl isovalerate	Geranyl isovalerate	Geranyl Isovalerate
Content (NLT)	97.0 % (Chem)	95 %	95.0 % sum of neryl and geranyl isomers /GC(M-1b)
Refractive index	1.455-1.462 (n <sub>20D</sub> )	1.454-1.470 (n <sub>20D</sub> )	1.452-1.462 (n <sub>20D</sub> )
Specific gravity	0.887-0.895 (d <sub>20/20</sub> )	0.878-0.899 (d <sub>25/25</sub> )	0.881-0.894 (d <sub>25/25</sub> )
Acid value (NMT)	1.0		1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR :1,2,3 MS :4 NMR :3,6	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