

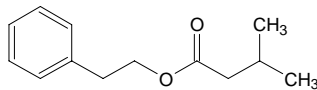
# phenethyl isovalerate

## フェネチル イソバレレート

Formula C<sub>13</sub>H<sub>18</sub>O<sub>2</sub>

Mol. Wt. 206.28

CAS No. 140-26-1



SEQ No. 2115 エステル類

FEMA No. 2871

JECFA No. 994

	JFFMA	JECFA	FCC
Chemical name	phenethyl isovalerate	Phenethyl isovalerate	Phenethyl Isovalerate
Content (NLT)	97.0 % (GC)	97 %	98.0 % one major isomer /GC(M-1b)
Refractive index	1.482-1.487 (n <sub>20D</sub> )	1.482-1.487 (n <sub>20D</sub> )	1.484-1.486 (n <sub>20D</sub> )
Specific gravity	0.975-0.981 (d <sub>20/20</sub> )	0.973-0.976 (d <sub>25/25</sub> )	0.973-0.976 (d <sub>25/25</sub> )
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 mL in 3 ml 80% ethanol	1 mL in 3 mL 80% alc gives clear soln
Other requirements			
Identification*	IR :1,2 MS :4,5 NMR :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