

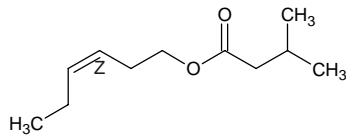
# cis-3-hexenyl isovalerate

## cis-3-ヘキセニル イソバレレート

Formula C<sub>11</sub>H<sub>20</sub>O<sub>2</sub>

Mol. Wt. 184.28

CAS No. 35154-45-1



SEQ No. 1170 エステル類

FEMA No. 3498

JECFA No. 202

	JFFMA	JECFA	FCC
Chemical name	cis-3-hexenyl isovalerate	3-Hexenyl 3-methylbutanoate	(Z)-3-Hexenyl Isovalerate
Content (NLT)	95.0 % (GC)	95.0 %	95.0 % sum of two isomers; (Z)- isomer 92.0% min /GC(M1-a)
Refractive index	1.427-1.437 (n <sub>20D</sub> )	1.429-1.435 (n <sub>20D</sub> )	1.429-1.435 (n <sub>20D</sub> )
Specific gravity	0.873-0.883 (d <sub>20/20</sub> )	0.874-0.876 (d <sub>25/25</sub> )	0.872-0.877 (d <sub>25/25</sub> )
Acid value (NMT)	2.0	2.0	2.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR :1,3 MS :3,4,5 NMR :3	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