

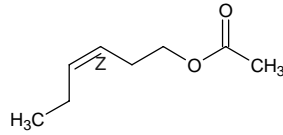
cis-3-hexenyl acetate

cis-3-ヘキセニル アセテート

Formula C₈H₁₄O₂

Mol. Wt. 142.20

CAS No. 3681-71-8



SEQ No. 1141 エステル類

FEMA No. 3171

JECFA No. 134

	JFFMA	JECFA	FCC
Chemical name	cis-3-hexenyl acetate	cis-3-Hexenyl acetate	(Z)-3-Hexenyl Acetate
Content (NLT)	95.0 % (GC)	92 % 98.0% : sum of isomers	98.0 % sum of (Z)- and (E)- isomers; min 92% (Z) /GC(M-1a)
Refractive index	1.421-1.431 (n _{20D})	1.425-1.429 (n _{20D})	1.425-1.429 (n _{20D})
Specific gravity	0.897-0.907 (d _{20/20})	0.896-0.901 (d _{25/25})	0.896-0.901 (d _{25/25})
Acid value (NMT)	2.0	1.0	1.0
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 1 ml 95% alcohol	1 mL in 1 mL 95% alc
Other requirements			
Identification*	IR : 1,2,3,6 MS : 3,4,5 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