

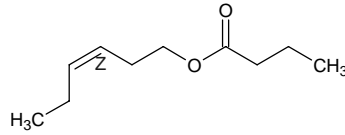
cis-3-hexenyl butyrate

cis-3-ヘキセニル ブチレート

Formula C₁₀H₁₈O₂

Mol. Wt. 170.25

CAS No. 16491-36-4



SEQ No. 1151 エステル類

FEMA No. 3402

JECFA No. 157

	JFFMA	JECFA	FCC
Chemical name	cis-3-hexenyl butyrate	cis-3-Hexenyl butyrate	(Z)-3-Hexenyl Butyrate
Content (NLT)	95.0 % (GC)	95.0 %	97.0 % one isomer /GC(M-1b)
Refractive index	1.425-1.435 (n _{20D})	1.420-1.435 (n _{20D})	1.427-1.435 (n _{20D})
Specific gravity	0.883-0.893 (d _{20/20})	0.860-0.899 (d _{25/25})	0.880-0.887 (d _{25/25})
Acid value (NMT)	2.0		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 : 1,2,3,6 MS : 3,4,5 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