

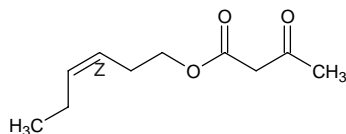
cis-3-hexenyl acetoacetate

cis-3-ヘキセニル アセトアセテート

Formula C₁₀H₁₆O₃

Mol. Wt. 184.23

CAS No. 84434-20-8



SEQ No. 1146 エステル類

FEMA No. 4489

JECFA No. 1974

	JFFMA	JECFA	FCC
Chemical name	cis-3-hexenyl acetoacetate	cis-3-Hexenyl acetoacetate	
Content (NLT)	98.0 % (Chem)	93 %	
Refractive index	1.445-1.455 (n _{20D})	1.445-1.455 (n _{20D})	
Specific gravity	0.980-0.990 (d ₂₀ /20)	0.980-0.990 (20°C)	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements		SC: 2-3% cis-3-Hexenol	
Identification*	IR :1,3 MS :1,3 NMR :3	HNMR IR MS	

*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