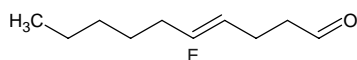


trans-4-decenal

trans-4-デセナール

Formula C₁₀H₁₈O



Mol. Wt. 154.25

CAS No. 65405-70-1

SEQ No. 507 脂肪族高級アルデヒド類

FEMA No. 3264

JECFA No. 326

	JFFMA	JECFA	FCC
Chemical name	trans-4-decenal	4-Decenal	(Z)-4-Decenal
Content (NLT)	92.0 % (Chem)	95 % min. 90% trans- isomer	90.0 % GC(M-1a)
Refractive index	1.437-1.450 (n ₂₀ D)	1.442-1.447 (n ₂₀ D)	1.442-1.447 (n ₂₀ D)
Specific gravity	0.840-0.850 (d ₂₀ /20)	0.843-0.850 (d ₂₅ /25)	0.843-0.850 (d ₂₅ /25)
Acid value (NMT)	5.0		
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 MS :3 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