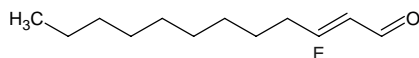


trans-2-dodecenal

trans-2-ドデセナール

Formula C₁₂H₂₂O



Mol. Wt. 182.30

CAS No. 20407-84-5

SEQ No. 702 脂肪族高級アルデヒド類

FEMA No. 2402

JECFA No. 1350

	JFFMA	JECFA	FCC
Chemical name	trans-2-dodecenal	2-Dodecenal	(E)-2-Dodecen-1-al
Content (NLT)	95.0 % (GC) sum of isomers	93 % sum of cis/trans isomers	93.0 % GC(M-1a)
Refractive index	1.452-1.462 (n _{20D})	1.454-1.460 (n _{20D})	1.454-1.460 (n _{20D})
Specific gravity	0.843-0.853 (d _{20/20})	0.839-0.849 (d _{25/25})	0.839-0.849 (d _{25/25})
Acid value (NMT)	10.0	10	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1 mL in 1 mL 95% ethanol
Other requirements		SC: 2-Dodecenoic acid	
Identification*	IR : 1,2 MS : 4,5 NMR :	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