

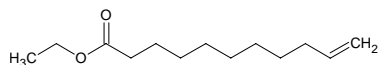
ethyl 10-undecenoate

エチル 10-ウンデセノエート

Formula C₁₃H₂₄O₂

Mol. Wt. 212.33

CAS No. 692-86-4



SEQ No. 734 エステル類

FEMA No. 2461

JECFA No. 343

	JFFMA	JECFA	FCC
Chemical name	ethyl 10-undecenoate	Ethyl 10-undecenoate	Ethyl 10-Undecenoate
Content (NLT)	97.0 % (GC)	98.0 %	98.0 % GC(M-1b)
Refractive index	1.435-1.442 (n _{20D})	1.436-1.442 (n _{20D})	1.436-1.440 (n _{20D})
Specific gravity	0.876-0.882 (d _{20/20})	0.877-0.882 (d _{25/25})	0.877-0.879 (d _{25/25})
Acid value (NMT)	1.0	1.0	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 :1,6 MS :4,5 NMR :6	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