

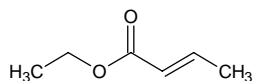
ethyl 2-butenate

エチル 2-ブテノエート

Formula C₆H₁₀O₂

Mol. Wt. 114.14

CAS No. 10544-63-5



SEQ No. 826 エステル類

FEMA No. 3486

JECFA No. 1806

	JFFMA	JECFA	FCC
Chemical name	ethyl 2-butenate	Ethyl trans-2-butenate	Ethyl-(E)-2-butenate
Content (NLT)	98.0 % (GC)	98 %	97.0 % GC(M-1b)
Refractive index	1.422-1.428 (n _{20D})	1.422-1.428 (n _{20D})	1.422-1.427 (n _{20D})
Specific gravity	0.917-0.923 (d _{20/20})	0.916-0.921 (d _{25/25})	0.913-0.920 (d _{25/25})
Acid value (NMT)	2.0	2	5.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1 mL in 1 mL 95% alc
Other requirements			
Identification*	IR :2,3 MS :1,3,4,5 NMR :3,6	MS	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