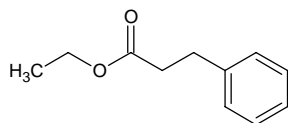


ethyl 3-phenylpropionate

エチル 3-フェニルプロピオネート

Formula C₁₁H₁₄O₂

Mol. Wt. 178.23



CAS No. 2021-28-5

SEQ No. 790 エステル類

FEMA No. 2455

JECFA No. 644

	JFFMA	JECFA	FCC
Chemical name	ethyl 3-phenylpropionate	Ethyl 3-phenylpropionate	
Content (NLT)	98.0 % (GC)	98 %	
Refractive index	1.492-1.498 (n _{20D})	1.492-1.497 (n _{20D})	
Specific gravity	1.013-1.019 (d _{20/20})	1.009-1.017 (d _{25/25})	
Acid value (NMT)	1.0	1.0	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible	
Other requirements			
Identification*	IR : 1,3 MS : 3,4,5 NMR : 3,6	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