

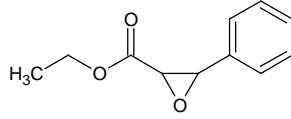
ethyl beta-phenylglycidate

エチル β-フェニルグリシデート

Formula C₁₁H₁₂O₃

Mol. Wt. 192.21

CAS No. 121-39-1



SEQ No. 820 エステル類

FEMA No. 2454

JECFA No. 1576

	JFFMA	JECFA	FCC
Chemical name	ethyl beta-phenylglycidate	Ethyl 3-phenylglycidate	Ethyl Phenylglycidate
Content (NLT)	97.0 % (GC)	98 %	98.0 % Chem(Appendix VI; Ester Determination; 1.4g/96.11)
Refractive index	1.515-1.521 (n _{20D})	1.516-1.521 (n _{20D})	1.516-1.521 (n _{20D})
Specific gravity	1.122-1.129 (d _{20/20})	1.120-1.125 (d _{25/25})	1.120-1.125 (d _{25/25})
Acid value (NMT)	1.0	2	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1 mL in 6 mL 70% alc, and in 1mL 80% alc gives clear solns
Other requirements			
Identification*	IR : 1,2,5,6 MS : 4,5 NMR : 6	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