

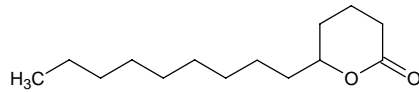
delta-tetradecalactone

δ-テトラデカラクトン

Formula C₁₄H₂₆O₂

Mol. Wt. 226.35

CAS No. 2721-22-4



SEQ No. 2343 ラクトン類

FEMA No. 3590

JECFA No. 238

	JFFMA	JECFA	FCC
Chemical name	delta-tetradecalactone	delta-Tetradecalactone	δ-Tetradecalactone
Content (NLT)	98.0 % (GC)	97.0 %	98.0 % GC(M-1b)
Refractive index	1.459-1.465 (n _{20D})	1.454-1.464 (n _{20D})	1.459-1.465 (n _{20D})
Specific gravity	0.931-0.941 (d _{20/20})	0.932-0.969 (d _{25/25})	0.931-0.937 (d _{25/25})
Acid value (NMT)	5.0	8.0	5.0
Melting/Congeealing point		MP: 15°C	
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR : 1,2,3 MS : 3,4 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