

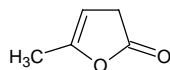
alpha-angelicalactone

α-アンゲリカラクトン

Formula C₅H₆O₂

Mol. Wt. 98.10

CAS No. 591-12-8



SEQ No. 178 ラクトン類

FEMA No. 3293

JECFA No. 221

	JFFMA	JECFA	FCC
Chemical name	alpha-angelicalactone	4-Hydroxy-3-pentenoic acid lactone	
Content (NLT)	95.0 % (GC)	95.0 %	
Refractive index	1.440-1.450 (n _{20D})	1.443-1.451 (n _{20D})	
Specific gravity	1.087-1.100 (d _{20/20})	1.084 (d _{20/20})	
Acid value (NMT)	10.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR : 1,3,5,6 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