

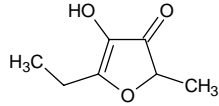
5-ethyl-4-hydroxy-2-methyl-3(2H)-furanone

5-エチル-4-ヒドロキシ-2-メチル-3(2H)-フラノン

Formula C₇H₁₀O₃

Mol. Wt. 142.15

CAS No. 27538-09-6



SEQ No. 899 ケトン類

FEMA No. 3623

JECFA No. 1449

	JFFMA	JECFA	FCC
Chemical name	5-ethyl-4-hydroxy-2-methyl-3(2H)-furanone	2-Ethyl-4-hydroxy-5-methyl-3(2H)-furanone	
Content (NLT)	95.0 % (GC)	96 %	
Refractive index	1.507-1.517 (n _{20D})	1.509-1.514 (n _{20D})	
Specific gravity	1.134-1.146 (d _{20/20})	1.133-1.143 (d _{25/25})	
Acid value (NMT)		4	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR :1 MS :4 NMR :1	IR, HNMR	

*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