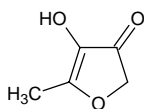


4-hydroxy-5-methyl-3(2H)-furanone

4-ヒドロキシ-5-メチル-3(2H)-フラノン

Formula C₅H₆O₃

Mol. Wt. 114.10



CAS No. 19322-27-1

SEQ No. ケトン類

FEMA No. 3635

JECFA No. 1450

	JFFMA	JECFA	FCC
Chemical name	4-hydroxy-5-methyl-3(2H)-furanone	4-Hydroxy-5-methyl-3(2H)-furanone	
Content (NLT)	98.0 % (GC)	97 %	
Refractive index			
Specific gravity			
Acid value (NMT)		4	
Melting/Congeeing point	MP: 126 to 130°C	MP: 126 to 133°C	
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR : MS : NMR :1	NMR	

*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