

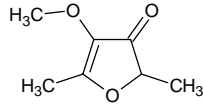
4-methoxy-2,5-dimethyl-3(2H)-furanone

4-メトキシ-2,5-ジメチル-3(2H)-フラノン

Formula C₇H₁₀O₃

Mol. Wt. 142.15

CAS No. 4077-47-8



SEQ No. 619 ケトン類

FEMA No. 3664

JECFA No. 1451

	JFFMA	JECFA	FCC
Chemical name	4-methoxy-2,5-dimethyl-3(2H)-furanone	2,5-Dimethyl-4-methoxy-3(2H)-furanone	
Content (NLT)	97.0 % (GC)	97 %	
Refractive index	1.475-1.481 (n _{20D})	1.475-1.481 (n _{20D})	
Specific gravity	1.091-1.101 (d _{20/20})	1.091-1.097 (d _{25/25})	
Acid value (NMT)		3	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR :6 MS :4,5 NMR :1,6	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