

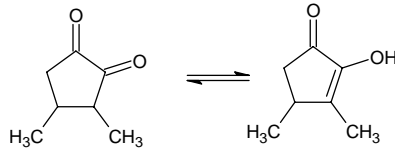
3,4-dimethyl-1,2-cyclopentanedione

3,4-ジメチル-1,2-シクロペンタンジオン

Formula C₇H₁₀O₂

Mol. Wt. 126.15

CAS No. 13494-06-9



SEQ No. 630 ケトン類

FEMA No. 3268

JECFA No. 420

	JFFMA	JECFA	FCC
Chemical name	3,4-dimethyl-1,2-cyclopentanedione	3,4-Dimethyl-1,2-cyclopentanedione	3,4-Dimethyl 1,2-Cyclopentandione
Content (NLT)	95.0 % (GC)	98 %	95.0 % GC(M-1b)
Refractive index			
Specific gravity			
Acid value (NMT)			
Melting/Congeeing point	MP: 65 to 71°C	MP: 68 to 72°C	MP: 64.0 to 72.0°C
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 g in 3 mL 95% ethanol
Other requirements			
Identification*	IR : 1,2,6 MS : 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