

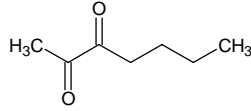
# 2,3-heptanedione

## 2,3-ヘプタンジオン

Formula C<sub>7</sub>H<sub>12</sub>O<sub>2</sub>

Mol. Wt. 128.17

CAS No. 96-04-8



SEQ No. 1036 ケトン類

FEMA No. 2543

JECFA No. 415

	JFFMA	JECFA	FCC
Chemical name	2,3-heptanedione	2,3-Heptanedione	2,3-Heptandione
Content (NLT)	96.0 % (GC)	97 %	97.0 % GC(M-1b)
Refractive index	1.410-1.420 (n <sub>20D</sub> )	1.413-1.416 (n <sub>20D</sub> )	1.411-1.418 (n <sub>20D</sub> )
Specific gravity	0.917-0.927 (d <sub>20/20</sub> )	0.917-0.923 (d <sub>25/25</sub> )	0.916-0.923 (d <sub>25/25</sub> )
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR : 1,2,3 MS : 3,4,5 NMR : 3	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