

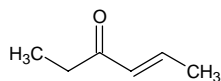
# 4-hexen-3-one

## 4-ヘキセン-3-オン

Formula C<sub>6</sub>H<sub>10</sub>O

Mol. Wt. 98.14

CAS No. 2497-21-4



SEQ No. 1106 ケトン類

FEMA No. 3352

JECFA No. 1125

	JFFMA	JECFA	FCC
Chemical name	4-hexen-3-one	4-Hexen-3-one	
Content (NLT)	90.0 % (GC)	98 %	
Refractive index	1.433-1.443 (n <sub>20D</sub> )	1.437-1.443 (n <sub>20D</sub> )	
Specific gravity	0.845-0.865 (d <sub>20/20</sub> )	0.855-0.861 (d <sub>25/25</sub> )	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Miscible at room temperature	
Other requirements			
Identification*	IR :3,6 MS :3,4,5 NMR :1,3,6	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