

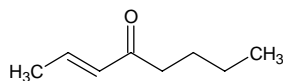
2-octen-4-one

2-オクテン-4-オン

Formula C₈H₁₄O

Mol. Wt. 126.20

CAS No. 4643-27-0



SEQ No. 2030 ケトン類

FEMA No. 3603

JECFA No. 1129

	JFFMA	JECFA	FCC
Chemical name	2-octen-4-one	2-Octen-4-one	
Content (NLT)	90.0 % (GC)	96 % Predominantly (>90%) trans-isomer	
Refractive index	1.439-1.449 (n _{20D})	1.440-1.446 (n _{20D})	
Specific gravity	0.844-0.864 (d _{20/20})	0.835-0.842 (d _{25/25})	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Miscible at room temperature	
Other requirements			
Identification*	IR :1 MS :4,5 NMR :1	IR 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