

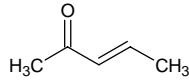
3-penten-2-one

3-ペンテン-2-オン

Formula C₅H₈O

Mol. Wt. 84.12

CAS No. 625-33-2



SEQ No. 2083 ケトン類

FEMA No. 3417

JECFA No. 1124

	JFFMA	JECFA	FCC
Chemical name	3-penten-2-one	3-Penten-2-one	
Content (NLT)	90.0 % (GC) sum of 3-penten-2-one & 4-methyl-3-penten-2-one (10-20%)	98 %	
Refractive index	1.435-1.442 (n _{20D})	1.433-1.437 (n _{20D})	
Specific gravity	0.850-0.870 (d _{20/20})	0.860-0.865 (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 :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