

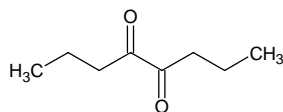
4,5-octanedione

4,5-オクタンジオン

Formula C₈H₁₄O₂

Mol. Wt. 142.20

CAS No. 5455-24-3



SEQ No. 2745 ケトン類

FEMA No. 4533

JECFA No. 2037

	JFFMA	JECFA	FCC
Chemical name	4,5-octanedione	4,5-Octanedione	
Content (NLT)	95.0 % (GC)	95 %	
Refractive index	1.414-1.424 (n _{20D})	1.414-1.424 (n _{20D})	
Specific gravity	0.908-0.918 (d ₂₀ /20)	0.908-0.918 (20°C)	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR :3 MS :1,3,4,5 NMR :3	MS	

*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