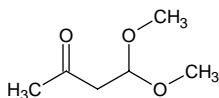


3-oxobutanal dimethyl acetal

3-オキソブタナール ジメチル アセタール

Formula C₆H₁₂O₃

Mol. Wt. 132.16



CAS No. 5436-21-5

SEQ No. ケトン類

FEMA No. 3381

JECFA No. 593

	JFFMA	JECFA	FCC
Chemical name	3-oxobutanal dimethyl acetal	3-Oxobutanal dimethyl acetal	
Content (NLT)	94.0 % (GC)	96 %	
Refractive index	1.410–1.430 (n _{20D})	1.414–1.424 (n _{20D})	
Specific gravity	0.982–1.002 (d _{25/25})	0.993–0.998 (d _{25/25})	
Acid value (NMT)	1.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR : 1,3 MS : 3,4,5 NMR : 1,3	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