

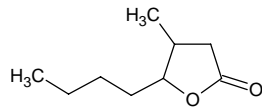
3-methyloctan-4-olide

3-メチル-4-オクタノリド

Formula C₉H₁₆O₂

Mol. Wt. 156.22

CAS No. 39212-23-2



SEQ No. 1837 ラクトン類

FEMA No. 3803

JECFA No. 437

	JFFMA	JECFA	FCC
Chemical name	3-methyloctan-4-olide	4-Hydroxy-3-methyloctanoic acid gamma-lactone	
Content (NLT)	96.0 % (GC) sum of isomers	98.0 %	
Refractive index	1.438-1.448 (n _{20D})	0.952 (n _{20D})	
Specific gravity	0.945-0.975 (d _{20/20})	1.442-1.446 (d _{25/25})	
Acid value (NMT)	3.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements		Flash point: >100°	
Identification*	IR : 1,6 MS : 4,5 NMR : 6	IR	

*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