

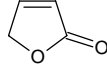
2-buten-4-olide

2-ブテン-4-オリド

Formula C₄H₄O₂

Mol. Wt. 84.07

CAS No. 497-23-4



SEQ No. 2908 ラクトン類

FEMA No. 4138

JECFA No. 2000

	JFFMA	JECFA	FCC
Chemical name	2-buten-4-olide	4-Hydroxy-2-butenic acid gamma-lactone	
Content (NLT)	98.0 % (GC)	97 %	
Refractive index	1.465-1.475 (n _{20D})	1.466-1.472 (n _{20D})	
Specific gravity	1.197-1.212 (d _{20/20})	1.183-1.187 (d _{25/25})	
Acid value (NMT)	3.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR : MS : 1,4,5 NMR : 6	CNMR HNMR 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