

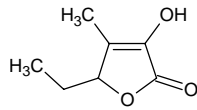
# 2-hydroxy-3-methyl-2-hexen-4-olide

## 2-ヒドロキシ-3-メチル-2-ヘキセン-4-オリド

Formula C<sub>7</sub>H<sub>10</sub>O<sub>3</sub>

Mol. Wt. 142.15

CAS No. 698-10-2



SEQ No. 897 ラクトン類

FEMA No. 3153

JECFA No. 222

	JFFMA	JECFA	FCC
Chemical name	2-hydroxy-3-methyl-2-hexen-4-olide	5-Ethyl-3-hydroxy-4-methyl-2(5H)-furanone	5-Ethyl 3-Hydroxy 4-Methyl 2(5H)-Furanone
Content (NLT)	90.0 % (GC)	95 %	95.0 % GC(M-1b)
Refractive index	1.485-1.495 (n <sub>20D</sub> )	1.486-1.493 (n <sub>20D</sub> )	1.488-1.493 (n <sub>20D</sub> )
Specific gravity	1.137-1.147 (d <sub>20/20</sub> )	1.134-1.144 (d <sub>25/25</sub> )	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 2 mL 95% ethanol
Other requirements			
Identification*	IR : 1,2,6 MS : 4,5 NMR : 6	IR	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