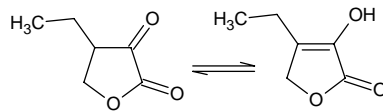


# 3-ethyl-2-oxo-4-butanolide

## 3-エチル-2-オキソ-4-ブタノリド

Formula C<sub>6</sub>H<sub>8</sub>O<sub>3</sub>

Mol. Wt. 128.13



CAS No.

SEQ No. 2913 ラクトン類

FEMA No. 4460

JECFA No. 1986

	JFFMA	JECFA	FCC
Chemical name	3-ethyl-2-oxo-4-butanolide	2-Oxo-3-ethyl-4-butanolide	
Content (NLT)	95.0 % (GC)	96 %	
Refractive index			
Specific gravity			
Acid value (NMT)	10.0		
Melting/Congeealing point	MP: 57 to 63°C	MP: 57 to 63°C	
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR :3 MS :1,3 NMR :1	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