

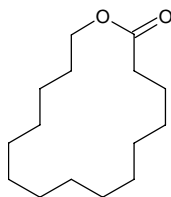
# 15-pentadecanolide

## 15-ペンタデカノリド

Formula C<sub>15</sub>H<sub>28</sub>O<sub>2</sub>

Mol. Wt. 240.38

CAS No. 106-02-5



SEQ No. 470 ラクトン類

FEMA No. 2840

JECFA No. 239

	JFFMA	JECFA	FCC
Chemical name	15-pentadecanolide	omega-Pentadecalactone	$\omega$ -Pentadecalactone
Content (NLT)	98.0 % (GC)	98 %	99.0 % GC(M-1b)
Refractive index		n/a (n <sub>20D</sub> )	
Specific gravity			
Acid value (NMT)	1.0	1.0	
Melting/Congeeing point	CP: 32 to 38°C	MP: 32°C	SP: min. -35°C
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 g in 1 mL 95% alc
Other requirements			
Identification*	IR : 1,2,3,5,6 MS : 4,5 NMR : 3,6	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