

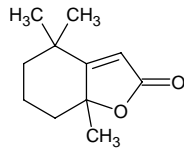
# dihydroactinidiolide

## ジヒドロアクチニジオリド

Formula C<sub>11</sub>H<sub>16</sub>O<sub>2</sub>

Mol. Wt. 180.24

CAS No. 15356-74-8



SEQ No. 564 ラクトン類

FEMA No. 4020

JECFA No. 1164

	JFFMA	JECFA	FCC
Chemical name	dihydroactinidiolide	(+/-)-(2,6,6-Trimethyl-2-hydroxycyclohexylidene)acetic acid gamma-lactone	
Content (NLT)	95.0 % (GC)	90 %	
Refractive index	1.495-1.501 (n <sub>20D</sub> )	1.499-1.505 (n <sub>20D</sub> )	
Specific gravity	1.052-1.062 (d <sub>20/20</sub> )	1.051-1.058 (d <sub>25/25</sub> )	
Acid value (NMT)	10.0	1.0	
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		soluble	
Other requirements		SC: 2,9-dimethyl 3,8-decanedione, 4-hydroxy-5,6-oxo beta-io	
Identification*	IR : MS :4,5 NMR :1	NMR	

#### \*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