

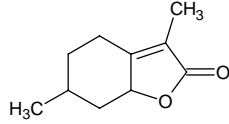
# 3,6-dimethyl-5,6,7,7a-tetrahydro-2(4H)-benzofuranone

## 3,6-ジメチル-5,6,7,7a-テトラヒドロ-2(4H)-ベンゾフランオン

Formula C<sub>10</sub>H<sub>14</sub>O<sub>2</sub>

Mol. Wt. 166.22

CAS No. 13341-72-5



SEQ No. 1900 ラクトン類

FEMA No. 3764

JECFA No. 1162

	JFFMA	JECFA	FCC
Chemical name	3,6-dimethyl-5,6,7,7a-tetrahydro-2(4H)-benzofuranone	Mintlactone	
Content (NLT)	96.0 % (GC)	98 %	
Refractive index	1.494-1.504 (n <sub>20D</sub> )	1.497-1.503 (n <sub>20D</sub> )	
Specific gravity	1.060-1.070 (d <sub>20/20</sub> )	1.058-1.063 (d <sub>25/25</sub> )	
Acid value (NMT)	1.0	1.0	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		soluble	
Other requirements			
Identification*	IR :1 MS : NMR :1	IR 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