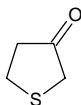


# 4,5-dihydro-3(2H)-thiophenone

## 4,5-ジヒドロ-3(2H)-チオフェノン

Formula C<sub>4</sub>H<sub>6</sub>OS

Mol. Wt. 102.15



CAS No. 1003-04-9

SEQ No. 562 ケトン類

FEMA No. 3266

JECFA No. 498

	JFFMA	JECFA	FCC
Chemical name	4,5-dihydro-3(2H)-thiophenone	4,5-Dihydro-3(2H)-thiophenone	
Content (NLT)	97.0 % (GC)	97 %	
Refractive index	1.523-1.532 (n <sub>20D</sub> )	1.527-1.531 (n <sub>20D</sub> )	
Specific gravity	1.190-1.217 (d <sub>20/20</sub> )	1.194-1.199 (20°C)	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR : 1,3,5,6 MS : 3,4,5 NMR : 3,6	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