

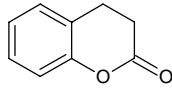
# dihydrocoumarin

## ジヒドロクマリン

Formula C<sub>9</sub>H<sub>8</sub>O<sub>2</sub>

Mol. Wt. 148.16

CAS No. 119-84-6



SEQ No. 580 ラクトン類

FEMA No. 2381

JECFA No. 1171

	JFFMA	JECFA	FCC
Chemical name	dihydrocoumarin	Dihydrocoumarin	1,2-Benzodihydropyrone
Content (NLT)	97.0 % (GC)	99 %	99.0 % GC(M-1b)
Refractive index	1.550-1.560 (n <sub>20D</sub> )	1.555-1.559 (n <sub>20D</sub> )	1.555-1.559 (n <sub>20D</sub> )
Specific gravity	1.188-1.198 (d <sub>20/20</sub> )	1.186-1.192 (d <sub>25/25</sub> )	1.186-1.192 (d <sub>25/25</sub> )
Acid value (NMT)	1.0	1.0	
Melting/Congeealing point			SP: NLT 22°C
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		soluble	1 mL in 1 mL 95% alc
Other requirements			
Identification*	IR : 1,2,3,6 MS : 3,4,5 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