

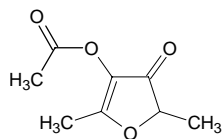
## 2,5-dimethyl-4-oxo-3(5H)-furyl acetate

### 2,5-ジメチル-4-オキソ-3(5H)-フリル アセテート

Formula C<sub>8</sub>H<sub>10</sub>O<sub>4</sub>

Mol. Wt. 170.16

CAS No. 4166-20-5



SEQ No. 960 エステル類

FEMA No. 3797

JECFA No. 1456

	JFFMA	JECFA	FCC
Chemical name	2,5-dimethyl-4-oxo-3(5H)-furyl acetate	4-Acetoxy-2,5-dimethyl-3(2H)furanone	
Content (NLT)	95.0 % (GC)	85 %	
Refractive index	1.472-1.482 (n <sub>20D</sub> )	1.476-1.480 (n <sub>20D</sub> )	
Specific gravity	1.162-1.172 (d <sub>20/20</sub> )	1.159-1.167 (d <sub>25/25</sub> )	
Acid value (NMT)		5.0	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements		SC: 4-hydroxy-2,5-dimethyl-3(2H)-furanone	
Identification*	IR : MS : 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