

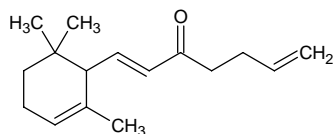
# allylionone

## アリルイオンン

Formula C<sub>16</sub>H<sub>24</sub>O

Mol. Wt. 232.36

CAS No. 79-78-7



SEQ No. 133 ケトン類

FEMA No. 2033

JECFA No. 401

	JFFMA	JECFA	FCC
Chemical name	allylionone	Allyl-alpha-ionone	Allyl $\alpha$ -Ionone
Content (NLT)	92.0 % (GC) alpha: 60-80%, beta: 5-15%, gamma: 3-12%/GC	88 % min. 95% sum of isomers	88.0 % GC(M-1b)
Refractive index	1.502-1.512 (n <sub>20D</sub> )	1.502-1.507 (n <sub>20D</sub> )	1.502-1.507 (n <sub>20D</sub> )
Specific gravity	0.928-0.938 (d <sub>20/20</sub> )	0.926-0.935 (d <sub>25/25</sub> )	0.926-0.932 (d <sub>25/25</sub> )
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 1 ml 90% alcohol; 1 ml in 8 ml 70% alcohol	1 mL in 1 mL 90% alcohol gives clear solution
Other requirements		Allyl alcohol $\leq$ 0.1%	Allyl Alcohol NMT. 0.1% /GC(M-1b)
Identification*	IR :1,2 MS :4 NMR :	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