

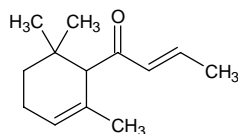
# alpha-damascone

## α-ダマスコン

Formula C<sub>13</sub>H<sub>20</sub>O

Mol. Wt. 192.30

CAS No. 43052-87-5



SEQ No. 483 ケトン類

FEMA No. 3659

JECFA No. 385

	JFFMA	JECFA	FCC
Chemical name	alpha-damascone	alpha-Damascone	
Content (NLT)	90.0 % (GC) sum of isomers	98 % sum of 92-96% trans, 4- 8% cis isomer	
Refractive index	1.491-1.501 (n <sub>20D</sub> )	1.492-1.499 (n <sub>20D</sub> )	
Specific gravity	0.932-0.942 (d <sub>20/20</sub> )	0.928-0.938 (d <sub>25/25</sub> )	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 10 ml 95% alcohol	
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