

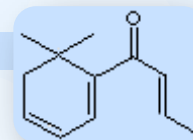
beta-DAMASCENONE

SYNONYMS

1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one; 4-(2,6,6-Trimethylcyclohexa-1,3-dienyl)but-2-en-4-one; FEMA No. 3420; (E)-1-(2,6,6-Trimethyl-1-cyclohexa-1,3-dienyl)but-2-en-1-one; JECFA No. :387; FL. No. :07.108

PRODUCT IDENTIFICATION

CAS RN	23696-85-7
EINECS RN	245-833-2
FORMULA	C ₁₃ H ₁₈ O
MOLE WEIGHT	190.28



PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	yellow clear liquid
MELTING POINT	
BOILING POINT	274 – 275 C
DENSITY	0.946 - 0.952
SOLUBILITY IN WATER	Insoluble (soluble in alcohol)
pH	
VAPOR DENSITY	
REFRACTIVE INDEX	1.4957 - 1.4960
FLASH POINT	> 100 C

OTHER INFORMATION

The major contributors to the perfuming ingredients of rose oil are rose ketones and rose oxide.

Rose ketone	CAS RN.
beta-Damascenone	23696-85-7
trabs-beta-Damascenone	23726-93-4
alpha-Damascone	43052-87-5
trans-alpha-Damascone	24720-09-0
cis-alpha-Damascone	23726-94-5
cis-beta-Damascone	23726-92-3
trans-beta-Damascone	23726-91-2
delta-Damascone	57378-68-4
trans,trans-delta-Damascone	71048-82-3
trans-(2,4,4-Trimethyl-2-cyclohexenyl)-2-butenone	39872-57-6
1-(2,4,4-Trimethyl-1-cyclohexenyl)-2-butenone	70266-48-7
1-(2,4,4-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one	33673-71-1
1-(2,2-Dimethyl-6-methylenecyclohexyl)-2-buten-1-one	35087-49-1
alpha-Ionone	127-41-3
beta-Ionone	14901-07-6

Rose ketones are the precursors of many important flavors and fragrances and being used in the creation of new type perfumes.

If the light pouring through stained glass windows, dancing in vibrant red and orange and flickering on the skin, had a scent, it would be the fragrance of damascenes, aroma materials derived from the



beta-DAMASCENONE

Bulgarian rose oil (*rosa damascena*). Encompassing rosy and fruity aspects, damascones have a vibrant and potent scent, marked by woody and tobacco like qualities, depending on the type. Some derivatives of damascones have very interesting nuances, from green apple, stewed plums and ripe figs to nuts and woods. First isolated between 1970 and 1980, damascones and damascenons produced a true breakthrough given their fascinating olfactory profile and intense fragrance. (source: <http://boisdejasmin.typepad.com>)

SALES SPECIFICATION

APPEARANCE	yellow clear liquid
ASSAY	90.0% min
REFRACTIVE INDEX	1.4957 - 1.4960

PACKING

PRICE

