

# 2-Methyl-6-methylene-octa-1,7-dien-3-ol

<b>Inchi:</b>	InChI=1S/C10H16O/c1-5-9(4)6-7-10(11)8(2)3/h5,10-11H,1-2,4,6-7H2,3H3
<b>InchiKey:</b>	SQRIUUSIOSHZFA-UHFFFAOYSA-N
<b>Formula:</b>	C10H16O
<b>SMILES:</b>	C=CC(=C)CCC(O)C(=C)C
<b>Mol. weight [g/mol]:</b>	152.23
<b>CAS:</b>	22459-10-5

## Physical Properties

Property code	Value	Unit	Source
gf	140.48	kJ/mol	Joback Method
hf	-50.53	kJ/mol	Joback Method
hfus	15.76	kJ/mol	Joback Method
hvap	52.30	kJ/mol	Joback Method
log10ws	-2.94		Crippen Method
logp	2.446		Crippen Method
mcvol	144.730	ml/mol	McGowan Method
pc	2651.56	kPa	Joback Method
rinpol	1146.00		NIST Webbook
rinpol	1143.00		NIST Webbook
rinpol	1146.00		NIST Webbook
tb	509.74	K	Joback Method
tc	685.17	K	Joback Method
tf	215.08	K	Joback Method
vc	0.553	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	324.86	J/molxK	509.74	Joback Method
cpg	337.10	J/molxK	538.98	Joback Method
cpg	348.74	J/molxK	568.22	Joback Method
cpg	359.82	J/molxK	597.46	Joback Method
cpg	370.35	J/molxK	626.69	Joback Method
cpg	380.36	J/molxK	655.93	Joback Method

## Sources

<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C22459105&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C22459105&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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