

# 6,10-Dihydromyrcenyl acetate

<b>Inchi:</b>	InChI=1S/C12H22O2/c1-6-10(2)8-7-9-12(4,5)14-11(3)13/h6,10H,1,7-9H2,2-5H3
<b>InchiKey:</b>	BEARMGATPGLSKG-UHFFFAOYSA-N
<b>Formula:</b>	C12H22O2
<b>SMILES:</b>	C=CC(C)CCCC(C)(C)OC(C)=O
<b>Mol. weight [g/mol]:</b>	198.30

## Physical Properties

Property code	Value	Unit	Source
gf	-95.52	kJ/mol	Joback Method
hf	-424.41	kJ/mol	Joback Method
hfus	17.41	kJ/mol	Joback Method
hvap	49.11	kJ/mol	Joback Method
log10ws	-3.43		Crippen Method
logp	3.320		Crippen Method
mcvol	183.080	ml/mol	McGowan Method
pc	1966.56	kPa	Joback Method
ripol	1431.00		NIST Webbook
tb	543.26	K	Joback Method
tc	728.86	K	Joback Method
tf	282.82	K	Joback Method
vc	0.696	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	447.59	J/molxK	543.26	Joback Method
cpg	464.05	J/molxK	574.19	Joback Method
cpg	479.68	J/molxK	605.13	Joback Method
cpg	494.53	J/molxK	636.06	Joback Method
cpg	508.61	J/molxK	666.99	Joback Method
cpg	521.96	J/molxK	697.93	Joback Method
cpg	534.60	J/molxK	728.86	Joback Method
dvisc	0.0051988	Paxs	282.82	Joback Method
dvisc	0.0020082	Paxs	326.23	Joback Method

dvisc	0.0009699	Paxs	369.63	Joback Method
dvisc	0.0005458	Paxs	413.04	Joback Method
dvisc	0.0003427	Paxs	456.45	Joback Method
dvisc	0.0002333	Paxs	499.85	Joback Method
dvisc	0.0001688	Paxs	543.26	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R410483&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R410483&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>
<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>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<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>ripol:</b>	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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