

# 6,6-dimethylbicyclo[3.1.1]hept-2-ene-2-carboxylic acid

Other names:	Myrtenoic acid
Inchi:	InChI=1S/C10H14O2/c1-10(2)6-3-4-7(9(11)12)8(10)5-6/h4,6,8H,3,5H2,1-2H3,(H,11,12)
InchiKey:	XPHVDOXZJRTIMV-UHFFFAOYSA-N
Formula:	C10H14O2
SMILES:	CC1(C)C2CC=C(C(=O)O)C1C2
Mol. weight [g/mol]:	166.22
CAS:	19250-17-0

## Physical Properties

Property code	Value	Unit	Source
gf	-115.89	kJ/mol	Joback Method
hf	-333.89	kJ/mol	Joback Method
hfus	17.12	kJ/mol	Joback Method
hvap	60.77	kJ/mol	Joback Method
log10ws	-2.03		Crippen Method
logp	2.063		Crippen Method
mcvol	133.180	ml/mol	McGowan Method
pc	3439.94	kPa	Joback Method
rinpol	1359.00		NIST Webbook
tb	591.71	K	Joback Method
tc	796.05	K	Joback Method
tf	378.51	K	Joback Method
vc	0.509	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	354.13	J/molxK	591.71	Joback Method
cpg	366.94	J/molxK	625.77	Joback Method
cpg	378.97	J/molxK	659.82	Joback Method
cpg	390.35	J/molxK	693.88	Joback Method
cpg	401.20	J/molxK	727.93	Joback Method
cpg	411.64	J/molxK	761.99	Joback Method
cpg	421.81	J/molxK	796.05	Joback Method

# Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C19250170&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C19250170&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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>hvp:</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>rinp:</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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