

# (-)-Myltayl-4-ene

**Inchi:** InChI=1S/C15H24/c1-11-10-15-9-6-12(11)14(15,4)8-5-7-13(15,2)3/h6,9,11-12H,5,7-8,10  
**InchiKey:** SWBYBXFTDVKYHB-LGJUIHJDSA-N  
**Formula:** C15H24  
**SMILES:** CC1CC23C=CC1C2(C)CCCC3(C)C  
**Mol. weight [g/mol]:** 204.35

## Physical Properties

Property code	Value	Unit	Source
gf	231.54	kJ/mol	Joback Method
hf	-84.03	kJ/mol	Joback Method
hfus	9.28	kJ/mol	Joback Method
hvap	45.29	kJ/mol	Joback Method
log10ws	-4.43		Crippen Method
logp	4.415		Crippen Method
mcvol	185.330	ml/mol	McGowan Method
pc	2239.76	kPa	Joback Method
rinpol	1380.00		NIST Webbook
rinpol	1380.00		NIST Webbook
rinpol	1380.00		NIST Webbook
tb	561.90	K	Joback Method
tc	795.76	K	Joback Method
tf	369.57	K	Joback Method
vc	0.709	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	501.64	J/molxK	561.90	Joback Method
cpg	524.98	J/molxK	600.88	Joback Method
cpg	546.53	J/molxK	639.85	Joback Method
cpg	566.74	J/molxK	678.83	Joback Method
cpg	586.06	J/molxK	717.81	Joback Method
cpg	604.93	J/molxK	756.78	Joback Method
cpg	623.79	J/molxK	795.76	Joback Method

# Sources

<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=R515885&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R515885&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>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>

# 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>rinpola:</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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