

# Isosativene

<b>Other names:</b>	2,4-Methano-1H-indene, octahydro-7a-methyl-1-methylene-5-(1-methylethyl)-, (2«alpha»,3«beta»,4«alpha»,5«alpha»,7a«beta»)
<b>Inchi:</b>	InChI=1S/C15H24/c1-9(2)12-5-6-15(4)10(3)11-7-13(12)14(15)8-11/h9,11-14H,3,5-8H2,1
<b>InchiKey:</b>	CGZBLYYTRIVVTD-UHFFFAOYSA-N
<b>Formula:</b>	C15H24
<b>SMILES:</b>	C=C1C2CC3C(C(C)C)CCC1(C)C3C2
<b>Mol. weight [g/mol]:</b>	204.35
<b>CAS:</b>	24959-83-9

## Physical Properties

Property code	Value	Unit	Source
gf	275.30	kJ/mol	Joback Method
hf	-87.17	kJ/mol	Joback Method
hfus	18.07	kJ/mol	Joback Method
hvap	46.90	kJ/mol	Joback Method
log10ws	-4.19		Crippen Method
logp	4.271		Crippen Method
mcvol	185.330	ml/mol	McGowan Method
pc	1998.33	kPa	Joback Method
rinpol	1452.00		NIST Webbook
rinpol	1417.60		NIST Webbook
rinpol	1417.60		NIST Webbook
rinpol	1441.00		NIST Webbook
rinpol	1454.00		NIST Webbook
ripol	1639.00		NIST Webbook
ripol	1676.00		NIST Webbook
ripol	1639.00		NIST Webbook
ripol	1639.00		NIST Webbook
ripol	1676.00		NIST Webbook
tb	556.71	K	Joback Method
tc	769.30	K	Joback Method
tf	323.21	K	Joback Method
vc	0.713	m3/kmol	Joback Method

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	501.63	J/mol×K	556.71	Joback Method
cpg	524.39	J/mol×K	592.14	Joback Method
cpg	545.67	J/mol×K	627.57	Joback Method
cpg	565.65	J/mol×K	663.00	Joback Method
cpg	584.49	J/mol×K	698.44	Joback Method
cpg	602.37	J/mol×K	733.87	Joback Method
cpg	619.46	J/mol×K	769.30	Joback Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C24959839&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C24959839&amp;Units=SI</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>ripol:</b>	Non-polar retention indices
<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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