

# cis-Salvene

<b>Inchi:</b>	InChI=1S/C9H16/c1-5-6-7-9(4)8(2)3/h5-6,8H,4,7H2,1-3H3/b6-5-
<b>InchiKey:</b>	KKKHJDOOIQCWIL-WAYWQWQTSA-N
<b>Formula:</b>	C9H16
<b>SMILES:</b>	C=C(CC=CC)C(C)C
<b>Mol. weight [g/mol]:</b>	124.22

## Physical Properties

Property code	Value	Unit	Source
gf	181.97	kJ/mol	Joback Method
hf	-1.51	kJ/mol	Joback Method
hfus	13.15	kJ/mol	Joback Method
hvap	34.61	kJ/mol	Joback Method
log10ws	-3.06		Crippen Method
logp	3.165		Crippen Method
mcvol	129.070	ml/mol	McGowan Method
pc	2563.69	kPa	Joback Method
rinpola	852.00		NIST Webbook
rinpola	852.00		NIST Webbook
tb	405.60	K	Joback Method
tc	587.83	K	Joback Method
tf	155.39	K	Joback Method
vc	0.495	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	242.59	J/mol×K	405.60	Joback Method
cpg	256.69	J/mol×K	435.97	Joback Method
cpg	270.12	J/mol×K	466.34	Joback Method
cpg	282.90	J/mol×K	496.71	Joback Method
cpg	295.05	J/mol×K	527.08	Joback Method
cpg	306.62	J/mol×K	557.46	Joback Method
cpg	317.61	J/mol×K	587.83	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=R630989&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R630989&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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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