

# (E)-Salvene

<b>Other names:</b>	trans-2-methyl-3-methylenehept-5-ene trans-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-AATRIKPKSA-N
<b>Formula:</b>	C9H16
<b>SMILES:</b>	C=C(CC=CC)C(C)C
<b>Mol. weight [g/mol]:</b>	124.22
<b>CAS:</b>	33746-69-9

## 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
rinpol	867.00		NIST Webbook
rinpol	866.00		NIST Webbook
rinpol	866.00		NIST Webbook
rinpol	873.00		NIST Webbook
rinpol	857.00		NIST Webbook
rinpol	867.00		NIST Webbook
rinpol	865.00		NIST Webbook
rinpol	866.00		NIST Webbook
rinpol	861.00		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/molxK	405.60	Joback Method
cpg	256.69	J/molxK	435.97	Joback Method
cpg	270.12	J/molxK	466.34	Joback Method
cpg	282.90	J/molxK	496.71	Joback Method
cpg	295.05	J/molxK	527.08	Joback Method
cpg	306.62	J/molxK	557.46	Joback Method
cpg	317.61	J/molxK	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=C33746699&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C33746699&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>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>rinpol:</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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