

# ent-selina-1,4-diene

<b>Inchi:</b>	InChI=1S/C15H24/c1-11(2)13-7-9-15(4)8-5-6-12(3)14(15)10-13/h5,8,11,13H,6-7,9-10H2
<b>InchiKey:</b>	HHBPTXYTVCTYMU-ZFWWWQNUSA-N
<b>Formula:</b>	C15H24
<b>SMILES:</b>	CC1=C2CC(C(C)C)CCC2(C)C=CC1
<b>Mol. weight [g/mol]:</b>	204.35

## Physical Properties

Property code	Value	Unit	Source
gf	181.25	kJ/mol	Joback Method
hf	-129.39	kJ/mol	Joback Method
hfus	14.32	kJ/mol	Joback Method
hvap	49.87	kJ/mol	Joback Method
log10ws	-4.87		Crippen Method
logp	4.725		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
pc	2060.49	kPa	Joback Method
ripol	1519.60		NIST Webbook
ripol	1717.50		NIST Webbook
ripol	1717.50		NIST Webbook
tb	581.24	K	Joback Method
tc	805.31	K	Joback Method
tf	316.07	K	Joback Method
vc	0.722	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	501.03	J/molxK	581.24	Joback Method
cpg	523.21	J/molxK	618.59	Joback Method
cpg	544.03	J/molxK	655.93	Joback Method
cpg	563.63	J/molxK	693.28	Joback Method
cpg	582.18	J/molxK	730.62	Joback Method
cpg	599.82	J/molxK	767.97	Joback Method
cpg	616.73	J/molxK	805.31	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R142204&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R142204&amp;Units=SI</a>
<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>

# 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>rinpolar:</b>	Non-polar retention indices
<b>ripolar:</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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