

# Selina-4,7-diene

<b>Inchi:</b>	InChI=1S/C15H24/c1-11(2)13-7-9-15(4)8-5-6-12(3)14(15)10-13/h7,11H,5-6,8-10H2,1-4H
<b>InchiKey:</b>	CEBQMQLIBDRBKA-HNNXBMFYSA-N
<b>Formula:</b>	C15H24
<b>SMILES:</b>	CC1=C2CC(C(C)C)=CCC2(C)CCC1
<b>Mol. weight [g/mol]:</b>	204.35

## Physical Properties

Property code	Value	Unit	Source
gf	179.33	kJ/mol	Joback Method
hf	-120.52	kJ/mol	Joback Method
hfus	12.86	kJ/mol	Joback Method
hvap	50.84	kJ/mol	Joback Method
log10ws	-5.11		Crippen Method
logp	4.869		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
pc	2094.58	kPa	Joback Method
rinpol	1457.00		NIST Webbook
rinpol	1513.00		NIST Webbook
ripol	1777.00		NIST Webbook
ripol	1720.00		NIST Webbook
tb	590.89	K	Joback Method
tc	815.98	K	Joback Method
tf	332.83	K	Joback Method
vc	0.723	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	500.51	J/molxK	590.89	Joback Method
cpg	521.85	J/molxK	628.41	Joback Method
cpg	541.90	J/molxK	665.92	Joback Method
cpg	560.83	J/molxK	703.44	Joback Method
cpg	578.78	J/molxK	740.95	Joback Method
cpg	595.93	J/molxK	778.47	Joback Method

## Sources

<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=R308380&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R308380&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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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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