

# 5bH,7b,10a-selina-4(14),11-diene

<b>Inchi:</b>	InChI=1S/C15H24/c1-11(2)13-7-9-15(4)8-5-6-12(3)14(15)10-13/h13-14H,1,3,5-10H2,2,4H
<b>InchiKey:</b>	YOVSPTNQHMDJAG-QLFBSQMISA-N
<b>Formula:</b>	C15H24
<b>SMILES:</b>	<chem>C=C(C)C1CCC2(C)CCCC(=C)C2C1</chem>
<b>Mol. weight [g/mol]:</b>	204.35

## Physical Properties

Property code	Value	Unit	Source
gf	267.69	kJ/mol	Joback Method
hf	-37.19	kJ/mol	Joback Method
hfus	13.50	kJ/mol	Joback Method
hvap	47.61	kJ/mol	Joback Method
log10ws	-4.87		Crippen Method
logp	4.725		Crippen Method
mvol	191.890	ml/mol	McGowan Method
pc	2029.06	kPa	Joback Method
ripol	1733.00		NIST Webbook
ripol	1733.00		NIST Webbook
tb	564.45	K	Joback Method
tc	788.06	K	Joback Method
tf	298.23	K	Joback Method
vc	0.721	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	497.99	J/mol×K	564.45	Joback Method
cpg	521.74	J/mol×K	601.72	Joback Method
cpg	543.99	J/mol×K	638.99	Joback Method
cpg	564.88	J/mol×K	676.25	Joback Method
cpg	584.58	J/mol×K	713.52	Joback Method
cpg	603.25	J/mol×K	750.79	Joback Method
cpg	621.03	J/mol×K	788.06	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=R325741&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R325741&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>
<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>	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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