

# Sandvicene

**Inchi:** InChI=1S/C15H24/c1-5-15(4)10-7-12-6-9-14(2,3)13(12)8-11-15/h5,7,13H,1,6,8-11H2,2-4  
**InchiKey:** XFFSZJFAUMNTMB-WUJWULDRSA-N  
**Formula:** C15H24  
**SMILES:** C=CC1(C)CC=C2CCC(C)(C)C2CC1  
**Mol. weight [g/mol]:** 204.35

## Physical Properties

Property code	Value	Unit	Source
gf	238.00	kJ/mol	Joback Method
hf	-50.09	kJ/mol	Joback Method
hfus	10.50	kJ/mol	Joback Method
hvap	47.17	kJ/mol	Joback Method
log10ws	-4.87		Crippen Method
logp	4.725		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
pc	2108.07	kPa	Joback Method
rinqol	1399.00		NIST Webbook
tb	569.79	K	Joback Method
tc	799.66	K	Joback Method
tf	335.69	K	Joback Method
vc	0.720	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	498.59	J/mol×K	569.79	Joback Method
cpg	521.66	J/mol×K	608.10	Joback Method
cpg	543.21	J/mol×K	646.41	Joback Method
cpg	563.50	J/mol×K	684.72	Joback Method
cpg	582.81	J/mol×K	723.04	Joback Method
cpg	601.42	J/mol×K	761.35	Joback Method
cpg	619.59	J/mol×K	799.66	Joback Method

# Sources

<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>
<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=R431217&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R431217&amp;Units=SI</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>h vap:</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>m cvol:</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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