

cis-2-Methyl-1-vinylcyclopropane

Inchi:	InChI=1S/C6H10/c1-3-6-4-5(6)2/h3,5-6H,1,4H2,2H3
InchiKey:	JVVPJIPOOZHNTM-UHFFFAOYSA-N
Formula:	C6H10
SMILES:	C=CC1CC1C
Mol. weight [g/mol]:	82.14
CAS:	2628-57-1

Physical Properties

Property code	Value	Unit	Source
gf	140.52	kJ/mol	Joback Method
hf	103.00	kJ/mol	NIST Webbook
hfus	9.22	kJ/mol	Joback Method
hvap	27.88	kJ/mol	Joback Method
log10ws	-1.60		Crippen Method
logp	1.828		Crippen Method
mcvol	80.240	ml/mol	McGowan Method
pc	3650.93	kPa	Joback Method
tb	335.43	K	Joback Method
tc	516.94	K	Joback Method
tf	169.32	K	Joback Method
vc	0.308	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	128.08	J/mol×K	335.43	Joback Method
cpg	181.23	J/mol×K	486.69	Joback Method
cpg	171.70	J/mol×K	456.44	Joback Method
cpg	161.64	J/mol×K	426.19	Joback Method
cpg	151.04	J/mol×K	395.93	Joback Method
cpg	139.86	J/mol×K	365.68	Joback Method
cpg	190.26	J/mol×K	516.94	Joback Method
dvisc	0.0002138	Pa×s	335.43	Joback Method
dvisc	0.0002165	Pa×s	307.75	Joback Method

dvisc	0.0002198	Pa×s	280.06	Joback Method
dvisc	0.0002239	Pa×s	252.38	Joback Method
dvisc	0.0002290	Pa×s	224.69	Joback Method
dvisc	0.0002358	Pa×s	197.00	Joback Method
dvisc	0.0002452	Pa×s	169.32	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2628571&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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