1-methyl-1-(3-methylene)butyl-cyclopropane

Inchi: InChI=1S/C9H16/c1-8(2)4-5-9(3)6-7-9/h1,4-7H2,2-3H3
InchiKey: AVPFWZMYMAMOAY-UHFFFAOYSA-N
Formula: C9H16
SMILES: C=C(C)CCC1(C)CC1
Mol. weight [g/mol]: 124.22

Physical Properties

Property code	Value	Unit	Source
gf	159.45	kJ/mol	Joback Method
hf	-25.41	kJ/mol	Joback Method
hfus	8.31	kJ/mol	Joback Method
hvap	33.80	kJ/mol	Joback Method
log10ws	-3.10		Crippen Method
logp	3.143		Crippen Method
mcvol	122.510	ml/mol	McGowan Method
pc	2890.51	kPa	Joback Method
rinpol	835.40		NIST Webbook
rinpol	837.60		NIST Webbook
tb	408.86	K	Joback Method
tc	600.89	K	Joback Method
tf	217.31	K	Joback Method
vc	0.476	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	242.86	J/mol×K	408.86	Joback Method
cpg	258.94	J/mol×K	440.87	Joback Method
cpg	273.85	J/mol×K	472.87	Joback Method
cpg	287.71	J/mol×K	504.88	Joback Method
cpg	300.61	J/mol×K	536.88	Joback Method
cpg	312.65	J/mol×K	568.89	Joback Method
cpg	323.93	J/mol×K	600.89	Joback Method

Sources

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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R137183&Units=SI

Legend

cpg:	Ideal gas heat capacity
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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume