

(1-methyl-2,3-methylene)propyl-cyclopropane

Inchi: InChI=1S/C8H14/c1-6(7-2-3-7)8-4-5-8/h6-8H,2-5H2,1H3
InchiKey: KVFFWLOANKFMDH-UHFFFAOYSA-N
Formula: C8H14
SMILES: CC(C1CC1)C1CC1
Mol. weight [g/mol]: 110.20

Physical Properties

Property code	Value	Unit	Source
gf	135.54	kJ/mol	Joback Method
hf	-68.13	kJ/mol	Joback Method
hfus	9.22	kJ/mol	Joback Method
hvap	32.84	kJ/mol	Joback Method
log10ws	-2.24		Crippen Method
logp	2.442		Crippen Method
mcvol	101.860	ml/mol	McGowan Method
pc	3388.08	kPa	Joback Method
rinpol	797.80		NIST Webbook
rinpol	793.30		NIST Webbook
tb	395.48	K	Joback Method
tc	593.30	K	Joback Method
tf	200.80	K	Joback Method
vc	0.392	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	200.94	J/molxK	395.48	Joback Method
cpg	217.78	J/molxK	428.45	Joback Method
cpg	233.55	J/molxK	461.42	Joback Method
cpg	248.31	J/molxK	494.39	Joback Method
cpg	262.12	J/molxK	527.36	Joback Method
cpg	275.04	J/molxK	560.33	Joback Method
cpg	287.14	J/molxK	593.30	Joback Method
dvisc	0.0006275	Paxs	200.80	Joback Method

dvisc	0.0005978	Paxs	233.25	Joback Method
dvisc	0.0005764	Paxs	265.69	Joback Method
dvisc	0.0005601	Paxs	298.14	Joback Method
dvisc	0.0005474	Paxs	330.59	Joback Method
dvisc	0.0005371	Paxs	363.03	Joback Method
dvisc	0.0005287	Paxs	395.48	Joback Method

Sources

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=R384186&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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

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