(5,6-methylene)hexylcyclopropane

Inchi: InChI=1S/C10H18/c1(3-9-5-6-9)2-4-10-7-8-10/h9-10H,1-8H2
InchiKey: DGFRMYZCRCTNJV-UHFFFAOYSA-N
Formula: C10H18
SMILES: C(CCC1CC1)CC1CC1
Mol. weight [g/mol]: 138.25

Physical Properties

Property code	Value	Unit	Source
gf	154.82	kJ/mol	Joback Method
hf	-104.13	kJ/mol	Joback Method
hfus	17.93	kJ/mol	Joback Method
hvap	37.68	kJ/mol	Joback Method
log10ws	-3.31		Crippen Method
logp	3.367		Crippen Method
mcvol	130.040	ml/mol	McGowan Method
pc	2718.33	kPa	Joback Method
rinpol	1026.65		NIST Webbook
rinpol	1033.30		NIST Webbook
rinpol	1026.70		NIST Webbook
rinpol	1026.65		NIST Webbook
rinpol	1026.65		NIST Webbook
rinpol	1030.20		NIST Webbook
tb	441.68	K	Joback Method
tc	631.42	K	Joback Method
tf	238.34	K	Joback Method
vc	0.509	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	286.89	J/mol×K	441.68	Joback Method
cpg	304.89	J/mol×K	473.30	Joback Method
cpg	321.84	J/mol×K	504.93	Joback Method
cpg	337.79	J/mol×K	536.55	Joback Method

cpg	352.81	J/mol×K	568.17	Joback Method
cpg	366.95	J/mol×K	599.80	Joback Method
cpg	380.28	J/mol×K	631.42	Joback Method
dvisc	0.0010762	Pa×s	238.34	Joback Method
dvisc	0.0009592	Pa×s	272.23	Joback Method
dvisc	0.0008770	Pa×s	306.12	Joback Method
dvisc	0.0008162	Pa×s	340.01	Joback Method
dvisc	0.0007697	Pa×s	373.90	Joback Method
dvisc	0.0007329	Pa×s	407.79	Joback Method
dvisc	0.0007031	Pa×s	441.68	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R136848&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
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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