2-Methyl-3-methylene-bicyclo[2.2.1]heptane, cis

Inchi: InChI=1S/C9H14/c1-6-7(2)9-4-3-8(6)5-9/h7-9H,1,3-5H2,2H3/t7-,8?,9?/m0/s1
InchiKey: ZKASMXOELCEADR-UEJVZZJDSA-N
Formula: C9H14
SMILES: C=C1C2CCC(C2)C1C
Mol. weight [g/mol]: 122.21

Physical Properties

Property code	Value	Unit	Source
gf	179.67	kJ/mol	Joback Method
hf	-25.75	kJ/mol	Joback Method
hfus	13.15	kJ/mol	Joback Method
hvap	35.48	kJ/mol	Joback Method
log10ws	-2.51		Crippen Method
logp	2.609		Crippen Method
mcvol	111.650	ml/mol	McGowan Method
pc	3049.04	kPa	Joback Method
rinpol	1013.00		NIST Webbook
ripol	1085.00		NIST Webbook
tb	417.56	K	Joback Method
tc	618.35	K	Joback Method
tf	232.99	K	Joback Method
vc	0.428	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	228.77	J/mol×K	417.56	Joback Method
cpg	245.70	J/mol×K	451.03	Joback Method
cpg	261.67	J/mol×K	484.49	Joback Method
cpg	276.71	J/mol×K	517.96	Joback Method
cpg	290.89	J/mol×K	551.42	Joback Method
cpg	304.23	J/mol×K	584.89	Joback Method
cpg	316.80	J/mol×K	618.35	Joback Method
dvisc	0.0004793	Pa×s	232.99	Joback Method

dvisc	0.0004941	Pa×s	263.75	Joback Method
dvisc	0.0005061	Pa×s	294.51	Joback Method
dvisc	0.0005160	Pa×s	325.27	Joback Method
dvisc	0.0005244	Pa×s	356.04	Joback Method
dvisc	0.0005315	Pa×s	386.80	Joback Method
dvisc	0.0005377	Pa×s	417.56	Joback Method

Sources

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=R246623&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume