1,3,4,5-Tetramethyl-2-methylenebicyclo[3.1.0]hex-

Inchi: InChI=1S/C11H16/c1-7-8(2)10(4)6-11(10,5)9(7)3/h2,6H2,1,3-5H3
InchiKey: RPNFTZLYTXXLRA-UHFFFAOYSA-N
Formula: C11H16
SMILES: C=C1C(C)=C(C)C2(C)CC12C
Mol. weight [g/mol]: 148.24
CAS: 40430-32-8

Physical Properties

Property code	Value	Unit	Source
gf	216.04	kJ/mol	Joback Method
hf	24.79	kJ/mol	Joback Method
hfus	7.21	kJ/mol	Joback Method
hvap	39.38	kJ/mol	Joback Method
log10ws	-3.44		Crippen Method
logp	3.309		Crippen Method
mcvol	135.530	ml/mol	McGowan Method
pc	2773.00	kPa	Joback Method
tb	473.32	K	Joback Method
tc	684.14	K	Joback Method
tf	336.89	K	Joback Method
vc	0.531	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	304.86	J/mol×K	473.32	Joback Method
cpg	320.38	J/mol×K	508.46	Joback Method
cpg	334.52	J/mol×K	543.59	Joback Method
cpg	347.49	J/mol×K	578.73	Joback Method
cpg	359.52	J/mol×K	613.87	Joback Method
cpg	370.82	J/mol×K	649.01	Joback Method
cpg	381.61	J/mol×K	684.14	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=C40430328&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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