Cyclohexane,1-ethenyl-1-methyl-2,4-bis[1-methyle

Inchi: InChI=1S/C15H28/c1-7-15(6)9-8-13(11(2)3)10-14(15)12(4)5/h7,11-14H,1,8-10H2,2-6H3
InchiKey: UYBGBBBBFWHRMS-UHFFFAOYSA-N
Formula: C15H28
SMILES: C=CC1(C)CCC(C(C)C)CC1C(C)C
Mol. weight [g/mol]: 208.38

Physical Properties

Property code	Value	Unit	Source
gf	161.92	kJ/mol	Joback Method
hf	-209.18	kJ/mol	Joback Method
hfus	13.96	kJ/mol	Joback Method
hvap	46.20	kJ/mol	Joback Method
log10ws	-4.64		Crippen Method
logp	4.907		Crippen Method
mcvol	207.050	ml/mol	McGowan Method
pc	1713.19	kPa	Joback Method
rinpol	1395.60		NIST Webbook
tb	548.85	K	Joback Method
tc	752.93	K	Joback Method
tf	249.85	K	Joback Method
vc	0.773	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	530.04	J/mol×K	548.85	Joback Method
cpg	553.88	J/mol×K	582.86	Joback Method
cpg	576.41	J/mol×K	616.88	Joback Method
cpg	597.75	J/mol×K	650.89	Joback Method
cpg	617.98	J/mol×K	684.90	Joback Method
cpg	637.21	J/mol×K	718.92	Joback Method
cpg	655.56	J/mol×K	752.93	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=R515607&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume