3-Cyclohexene-1-ethanol, «alpha»-ethenyl-«alpha»,3-dimethyl-6-(1-methylet

Inchi: InChI=1S/C15H24O/c1-6-15(5,16)10-13-9-12(4)7-8-14(13)11(2)3/h6-7,13,16H,1,8-10H2,

InchiKey: LCXFGBNEANUFOH-UHFFFAOYSA-N

Formula: C15H24O

SMILES: C=CC(C)(O)CC1CC(C)=CCC1=C(C)C

Mol. weight [g/mol]: 220.35

CAS: 55780-93-3

Physical Properties

Property code	Value	Unit	Source
gf	110.97	kJ/mol	Joback Method
hf	-221.61	kJ/mol	Joback Method
hfus	21.68	kJ/mol	Joback Method
hvap	65.95	kJ/mol	Joback Method
log10ws	-4.69		Crippen Method
logp	4.006		Crippen Method
mcvol	204.320	ml/mol	McGowan Method
pc	1984.12	kPa	Joback Method
tb	658.44	K	Joback Method
tc	857.63	K	Joback Method
tf	337.35	K	Joback Method
vc	0.767	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	565.82	J/mol×K	658.44	Joback Method
cpg	582.91	J/mol×K	691.64	Joback Method
cpg	599.00	J/mol×K	724.84	Joback Method
cpg	614.14	J/mol×K	758.03	Joback Method
cpg	628.40	J/mol×K	791.23	Joback Method
cpg	641.83	J/mol×K	824.43	Joback Method
cpg	654.48	J/mol×K	857.63	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=C55780933&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
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