5-Ethenyl-«alpha»,«alpha»,5-trimethyl-2-furanmet tetrahydro

Inchi: InChI=1S/C9H18O2/c1-8(2)6-5-7(11-8)9(3,4)10/h7,10H,5-6H2,1-4H3
InchiKey: MJBFOMKCBMBHMZ-UHFFFAOYSA-N
Formula: C9H18O2
SMILES: CC1(C)CCC(C(C)(C)O)O1
Mol. weight [g/mol]: 158.24

Physical Properties

Property code	Value	Unit	Source
gf	-171.85	kJ/mol	Joback Method
hf	-466.69	kJ/mol	Joback Method
hfus	12.43	kJ/mol	Joback Method
hvap	54.32	kJ/mol	Joback Method
log10ws	-2.17		Crippen Method
logp	1.715		Crippen Method
mcvol	138.550	ml/mol	McGowan Method
pc	3127.99	kPa	Joback Method
rinpol	1074.00		NIST Webbook
rinpol	1074.00		NIST Webbook
tb	532.07	K	Joback Method
tc	731.52	K	Joback Method
tf	311.56	K	Joback Method
vc	0.506	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	355.70	J/mol×K	532.07	Joback Method
cpg	371.11	J/mol×K	565.31	Joback Method
cpg	385.53	J/mol×K	598.55	Joback Method
cpg	399.07	J/mol×K	631.80	Joback Method
cpg	411.82	J/mol×K	665.04	Joback Method
cpg	423.91	J/mol×K	698.28	Joback Method
cpg	435.42	J/mol×K	731.52	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R614605&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
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