2-Furanmethanol, 5-ethenyltetrahydro-«alpha»,5-dimethyl-

Inchi: InChI=1S/C9H16O2/c1-4-9(3)6-5-8(11-9)7(2)10/h4,7-8,10H,1,5-6H2,2-3H3
InchiKey: KXGRICWYAXBDDZ-UHFFFAOYSA-N
Formula: C9H16O2
SMILES: C=CC1(C)CCC(C(C)O)O1
Mol. weight [g/mol]: 156.22
CAS: 104188-13-8

Physical Properties

Property code	Value	Unit	Source
gf	-89.29	kJ/mol	Joback Method
hf	-337.79	kJ/mol	Joback Method
hfus	15.04	kJ/mol	Joback Method
hvap	54.56	kJ/mol	Joback Method
log10ws	-2.02		Crippen Method
logp	1.491		Crippen Method
mcvol	134.250	ml/mol	McGowan Method
pc	3239.34	kPa	Joback Method
rinpol	1065.60		NIST Webbook
rinpol	1065.60		NIST Webbook
tb	531.54	K	Joback Method
tc	727.42	K	Joback Method
tf	292.38	K	Joback Method
vc	0.492	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	333.77	J/mol×K	531.54	Joback Method
cpg	347.95	J/mol×K	564.19	Joback Method
cpg	361.29	J/mol×K	596.83	Joback Method
cpg	373.87	J/mol×K	629.48	Joback Method
cpg	385.79	J/mol×K	662.12	Joback Method
cpg	397.12	J/mol×K	694.77	Joback Method
cpg	407.96	J/mol×K	727.42	Joback Method

Sources

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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C104188138&Units=SI

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