Furan, tetrahydro, 2-ethoxy-2-methyl

Inchi: InChI=1S/C7H14O2/c1-3-8-7(2)5-4-6-9-7/h3-6H2,1-2H3
InchiKey: HACAIHDQPAOJTO-UHFFFAOYSA-N
Formula: C7H14O2
SMILES: CCOC1(C)CCCO1
Mol. weight [g/mol]: 130.18

Physical Properties

Property code	Value	Unit	Source
gf	-152.00	kJ/mol	Joback Method
hf	-376.31	kJ/mol	Joback Method
hfus	10.69	kJ/mol	Joback Method
hvap	37.20	kJ/mol	Joback Method
log10ws	-1.43		Crippen Method
logp	1.550		Crippen Method
mcvol	110.370	ml/mol	McGowan Method
pc	3497.14	kPa	Joback Method
rinpol	821.00		NIST Webbook
rinpol	821.00		NIST Webbook
tb	424.45	K	Joback Method
tc	627.44	K	Joback Method
tf	252.25	K	Joback Method
vc	0.406	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	230.21	J/mol×K	424.45	Joback Method
cpg	245.13	J/mol×K	458.28	Joback Method
cpg	259.10	J/mol×K	492.11	Joback Method
cpg	272.20	J/mol×K	525.94	Joback Method
cpg	284.50	J/mol×K	559.78	Joback Method
cpg	296.10	J/mol×K	593.61	Joback Method
cpg	307.06	J/mol×K	627.44	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R325350&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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