Acetamide, N-tetrahydrofurfuryl-2-acetoxy-

Inchi: InChI=1S/C9H15NO4/c1-7(11)14-6-9(12)10-5-8-3-2-4-13-8/h8H,2-6H2,1H3,(H,10,12)
InchiKey: GJFZUCJSIGKETI-UHFFFAOYSA-N
Formula: C9H15NO4
SMILES: CC(=O)OCC(=O)NCC1CCCO1
Mol. weight [g/mol]: 201.22

Physical Properties

Property code	Value	Unit	Source
gf	-298.12	kJ/mol	Joback Method
hf	-604.52	kJ/mol	Joback Method
hfus	30.46	kJ/mol	Joback Method
hvap	62.73	kJ/mol	Joback Method
log10ws	-0.51		Crippen Method
logp	-0.155		Crippen Method
mcvol	151.670	ml/mol	McGowan Method
pc	3124.49	kPa	Joback Method
rinpol	1563.00		NIST Webbook
tb	627.88	K	Joback Method
tc	835.93	K	Joback Method
tf	403.41	K	Joback Method
vc	0.567	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	410.48	J/mol×K	627.88	Joback Method
cpg	424.57	J/mol×K	662.55	Joback Method
cpg	437.80	J/mol×K	697.23	Joback Method
cpg	450.21	J/mol×K	731.90	Joback Method
cpg	461.80	J/mol×K	766.58	Joback Method
cpg	472.60	J/mol×K	801.25	Joback Method
cpg	482.61	J/mol×K	835.93	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U307089&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