Acetamide, N-tetrahydrofurfuryl-2,2-dichloro-

Inchi: InChI=1S/C7H11Cl2NO2/c8-6(9)7(11)10-4-5-2-1-3-12-5/h5-6H,1-4H2,(H,10,11)
InchiKey: JUNUKZRYFJPFGM-UHFFFAOYSA-N
Formula: C7H11Cl2NO2
SMILES: O=C(NCC1CCCO1)C(Cl)Cl
Mol. weight [g/mol]: 212.07

Physical Properties

Property code	Value	Unit	Source
gf	-107.34	kJ/mol	Joback Method
hf	-355.20	kJ/mol	Joback Method
hfus	27.37	kJ/mol	Joback Method
hvap	57.51	kJ/mol	Joback Method
log10ws	-1.72		Crippen Method
logp	1.085		Crippen Method
mcvol	140.530	ml/mol	McGowan Method
pc	3423.86	kPa	Joback Method
rinpol	1468.00		NIST Webbook
tb	580.25	K	Joback Method
tc	802.85	K	Joback Method
tf	353.55	K	Joback Method
vc	0.522	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	326.16	J/mol×K	580.25	Joback Method
cpg	338.93	J/mol×K	617.35	Joback Method
cpg	350.83	J/mol×K	654.45	Joback Method
cpg	361.89	J/mol×K	691.55	Joback Method
cpg	372.14	J/mol×K	728.65	Joback Method
cpg	381.63	J/mol×K	765.75	Joback Method
cpg	390.39	J/mol×K	802.85	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=U307296&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume