Acetamide, N-tetrahydrofurfuryl-2-chloro-

Inchi: InChI=1S/C7H12ClNO2/c8-4-7(10)9-5-6-2-1-3-11-6/h6H,1-5H2,(H,9,10)
InchiKey: OINOJHHVQJESIB-UHFFFAOYSA-N
Formula: C7H12ClNO2
SMILES: O=C(CCl)NCC1CCCO1
Mol. weight [g/mol]: 177.63

Physical Properties

Property code	Value	Unit	Source
gf	-92.97	kJ/mol	Joback Method
hf	-334.18	kJ/mol	Joback Method
hfus	26.70	kJ/mol	Joback Method
hvap	53.51	kJ/mol	Joback Method
log10ws	-0.96		Crippen Method
logp	0.520		Crippen Method
mcvol	128.290	ml/mol	McGowan Method
pc	3543.08	kPa	Joback Method
rinpol	1379.00		NIST Webbook
rinpol	1379.00		NIST Webbook
tb	543.26	K	Joback Method
tc	756.87	K	Joback Method
tf	338.63	K	Joback Method
vc	0.479	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	300.00	J/mol×K	543.26	Joback Method
cpg	313.36	J/mol×K	578.86	Joback Method
cpg	325.90	J/mol×K	614.46	Joback Method
cpg	337.64	J/mol×K	650.07	Joback Method
cpg	348.63	J/mol×K	685.67	Joback Method
cpg	358.88	J/mol×K	721.27	Joback Method
cpg	368.44	J/mol×K	756.87	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U307234&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