Propanamide, N-tetrahydrofurfuryl-2-methyl-

Inchi: InChI=1S/C9H17NO2/c1-7(2)9(11)10-6-8-4-3-5-12-8/h7-8H,3-6H2,1-2H3,(H,10,11)
InchiKey: GLVNZQDYDQXKQX-UHFFFAOYSA-N
Formula: C9H17NO2
SMILES: CC(C)C(=O)NCC1CCCO1
Mol. weight [g/mol]: 171.24

Physical Properties

Property code	Value	Unit	Source
gf	-66.64	kJ/mol	Joback Method
hf	-365.00	kJ/mol	Joback Method
hfus	24.16	kJ/mol	Joback Method
hvap	53.19	kJ/mol	Joback Method
log10ws	-1.41		Crippen Method
logp	0.938		Crippen Method
mcvol	144.230	ml/mol	McGowan Method
pc	2995.87	kPa	Joback Method
rinpol	1370.00		NIST Webbook
rinpol	1370.00		NIST Webbook
tb	551.15	K	Joback Method
tc	758.01	K	Joback Method
tf	316.25	K	Joback Method
vc	0.536	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	365.46	J/mol×K	551.15	Joback Method
cpg	381.63	J/mol×K	585.63	Joback Method
cpg	396.89	J/mol×K	620.10	Joback Method
cpg	411.25	J/mol×K	654.58	Joback Method
cpg	424.76	J/mol×K	689.05	Joback Method
cpg	437.43	J/mol×K	723.53	Joback Method
cpg	449.31	J/mol×K	758.01	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=U307318&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