Butanamide, N-tetrahydrofurfuryl-

Inchi: InChI=1S/C9H17NO2/c1-2-4-9(11)10-7-8-5-3-6-12-8/h8H,2-7H2,1H3,(H,10,11)
InchiKey: CMPSCOBHZJPUAO-UHFFFAOYSA-N
Formula: C9H17NO2
SMILES: CCCC(=O)NCC1CCCO1
Mol. weight [g/mol]: 171.24

Physical Properties

Property code	Value	Unit	Source
gf	-64.20	kJ/mol	Joback Method
hf	-359.72	kJ/mol	Joback Method
hfus	27.68	kJ/mol	Joback Method
hvap	53.58	kJ/mol	Joback Method
log10ws	-1.65		Crippen Method
logp	1.082		Crippen Method
mcvol	144.230	ml/mol	McGowan Method
pc	2969.80	kPa	Joback Method
rinpol	1422.00		NIST Webbook
tb	551.59	K	Joback Method
tc	754.13	K	Joback Method
tf	331.25	K	Joback Method
vc	0.542	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	365.14	J/mol×K	551.59	Joback Method
cpg	380.92	J/mol×K	585.35	Joback Method
cpg	395.82	J/mol×K	619.10	Joback Method
cpg	409.88	J/mol×K	652.86	Joback Method
cpg	423.12	J/mol×K	686.62	Joback Method
cpg	435.57	J/mol×K	720.37	Joback Method
cpg	447.27	J/mol×K	754.13	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U306911&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