Hexanamide, N-tetrahydrofurfuryl-

Inchi: InChI=1S/C11H21NO2/c1-2-3-4-7-11(13)12-9-10-6-5-8-14-10/h10H,2-9H2,1H3,(H,12,13)
InchiKey: CMPOPNBSEALVQW-UHFFFAOYSA-N
Formula: C11H21NO2
SMILES: CCCCCC(=O)NCC1CCCO1
Mol. weight [g/mol]: 199.29

Physical Properties

Property code	Value	Unit	Source
gf	-47.36	kJ/mol	Joback Method
hf	-401.00	kJ/mol	Joback Method
hfus	32.86	kJ/mol	Joback Method
hvap	58.03	kJ/mol	Joback Method
log10ws	-2.49		Crippen Method
logp	1.862		Crippen Method
mcvol	172.410	ml/mol	McGowan Method
pc	2433.84	kPa	Joback Method
rinpol	1625.00		NIST Webbook
rinpol	1625.00		NIST Webbook
tb	597.35	K	Joback Method
tc	794.26	K	Joback Method
tf	353.79	K	Joback Method
vc	0.654	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	464.25	J/mol×K	597.35	Joback Method
cpg	481.19	J/mol×K	630.17	Joback Method
cpg	497.20	J/mol×K	662.99	Joback Method
cpg	512.31	J/mol×K	695.80	Joback Method
cpg	526.56	J/mol×K	728.62	Joback Method
cpg	539.98	J/mol×K	761.44	Joback Method
cpg	552.61	J/mol×K	794.26	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U307285&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