Propanamide, N-tetrahydrofurfuryl-2,2-dimethyl-

Inchi: InChI=1S/C10H19NO2/c1-10(2,3)9(12)11-7-8-5-4-6-13-8/h8H,4-7H2,1-3H3,(H,11,12)
InchiKey: ZZVZNLVJFFYOPZ-UHFFFAOYSA-N
Formula: C10H19NO2
SMILES: CC(C)(C)C(=O)NCC1CCCO1
Mol. weight [g/mol]: 185.26

Physical Properties

Property code	Value	Unit	Source
gf	-52.94	kJ/mol	Joback Method
hf	-389.11	kJ/mol	Joback Method
hfus	22.85	kJ/mol	Joback Method
hvap	54.51	kJ/mol	Joback Method
log10ws	-1.83		Crippen Method
logp	1.328		Crippen Method
mcvol	158.320	ml/mol	McGowan Method
pc	2735.42	kPa	Joback Method
rinpol	1381.00		NIST Webbook
tb	571.24	K	Joback Method
tc	782.82	K	Joback Method
tf	344.94	K	Joback Method
vc	0.588	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	417.01	J/mol×K	571.24	Joback Method
cpg	434.41	J/mol×K	606.50	Joback Method
cpg	450.68	J/mol×K	641.77	Joback Method
cpg	465.90	J/mol×K	677.03	Joback Method
cpg	480.10	J/mol×K	712.29	Joback Method
cpg	493.35	J/mol×K	747.56	Joback Method
cpg	505.71	J/mol×K	782.82	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=U307193&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