Cyclopentanecarboxamide, N-tetrahydrofurfuryl-

Inchi: InChI=1S/C11H19NO2/c13-11(9-4-1-2-5-9)12-8-10-6-3-7-14-10/h9-10H,1-8H2,(H,12,13)
InchiKey: QNTIZDBSUZSIQJ-UHFFFAOYSA-N
Formula: C11H19NO2
SMILES: O=C(NCC1CCCO1)C1CCCC1
Mol. weight [g/mol]: 197.27

Physical Properties

Property code	Value	Unit	Source
gf	-10.81	kJ/mol	Joback Method
hf	-340.52	kJ/mol	Joback Method
hfus	26.79	kJ/mol	Joback Method
hvap	58.29	kJ/mol	Joback Method
log10ws	-2.14		Crippen Method
logp	1.472		Crippen Method
mcvol	161.550	ml/mol	McGowan Method
pc	2931.34	kPa	Joback Method
rinpol	1671.00		NIST Webbook
tb	612.63	K	Joback Method
tc	837.38	K	Joback Method
tf	364.69	K	Joback Method
vc	0.596	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	453.71	J/mol×K	612.63	Joback Method
cpg	473.14	J/mol×K	650.09	Joback Method
cpg	491.26	J/mol×K	687.55	Joback Method
cpg	508.11	J/mol×K	725.01	Joback Method
cpg	523.75	J/mol×K	762.47	Joback Method
cpg	538.25	J/mol×K	799.92	Joback Method
cpg	551.67	J/mol×K	837.38	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=U307023&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