Cyclobutanecarboxamide, N-tetrahydrofurfuryl-

Inchi: InChI=1S/C10H17NO2/c12-10(8-3-1-4-8)11-7-9-5-2-6-13-9/h8-9H,1-7H2,(H,11,12)
InchiKey: ZLLFTFCEBHPSCY-UHFFFAOYSA-N
Formula: C10H17NO2
SMILES: O=C(NCC1CCCO1)C1CCC1
Mol. weight [g/mol]: 183.25

Physical Properties

Property code	Value	Unit	Source
gf	-7.13	kJ/mol	Joback Method
hf	-313.72	kJ/mol	Joback Method
hfus	26.30	kJ/mol	Joback Method
hvap	55.89	kJ/mol	Joback Method
log10ws	-1.72		Crippen Method
logp	1.082		Crippen Method
mcvol	147.460	ml/mol	McGowan Method
pc	3170.40	kPa	Joback Method
rinpol	1572.00		NIST Webbook
tb	585.48	K	Joback Method
tc	806.82	K	Joback Method
tf	356.94	K	Joback Method
vc	0.547	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	401.14	J/mol×K	585.48	Joback Method
cpg	419.21	J/mol×K	622.37	Joback Method
cpg	436.06	J/mol×K	659.26	Joback Method
cpg	451.77	J/mol×K	696.15	Joback Method
cpg	466.38	J/mol×K	733.04	Joback Method
cpg	479.97	J/mol×K	769.93	Joback Method
cpg	492.59	J/mol×K	806.82	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=U307045&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