Cyclopropanecarboxamide, N-tetrahydrofurfuryl-

Inchi: InChI=1S/C9H15NO2/c11-9(7-3-4-7)10-6-8-2-1-5-12-8/h7-8H,1-6H2,(H,10,11)
InchiKey: XWRJJSNRJZLSKA-UHFFFAOYSA-N
Formula: C9H15NO2
SMILES: O=C(NCC1CCCO1)C1CC1
Mol. weight [g/mol]: 169.22

Physical Properties

Property code	Value	Unit	Source
gf	-3.45	kJ/mol	Joback Method
hf	-286.92	kJ/mol	Joback Method
hfus	25.81	kJ/mol	Joback Method
hvap	53.49	kJ/mol	Joback Method
log10ws	-1.30		Crippen Method
logp	0.692		Crippen Method
mcvol	133.370	ml/mol	McGowan Method
pc	3439.94	kPa	Joback Method
rinpol	1482.00		NIST Webbook
tb	558.33	K	Joback Method
tc	775.97	K	Joback Method
tf	349.19	K	Joback Method
vc	0.499	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	351.00	J/mol×K	558.33	Joback Method
cpg	367.59	J/mol×K	594.60	Joback Method
cpg	383.06	J/mol×K	630.88	Joback Method
cpg	397.48	J/mol×K	667.15	Joback Method
cpg	410.91	J/mol×K	703.42	Joback Method
cpg	423.43	J/mol×K	739.70	Joback Method
cpg	435.09	J/mol×K	775.97	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U307184&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