Cyclopropanecarboxamide, N-ethyl

Inchi: InChI=1S/C6H11NO/c1-2-7-6(8)5-3-4-5/h5H,2-4H2,1H3,(H,7,8)
InchiKey: WLQCOYYCNXROKF-UHFFFAOYSA-N
Formula: C6H11NO
SMILES: CCNC(=O)C1CC1
Mol. weight [g/mol]: 113.16

Physical Properties

Property code	Value	Unit	Source
gf	20.86	kJ/mol	Joback Method
hf	-153.48	kJ/mol	Joback Method
hfus	16.13	kJ/mol	Joback Method
hvap	42.05	kJ/mol	Joback Method
log10ws	-0.95		Crippen Method
logp	0.532		Crippen Method
mcvol	96.090	ml/mol	McGowan Method
pc	3965.51	kPa	Joback Method
rinpol	1089.00		NIST Webbook
tb	447.46	K	Joback Method
tc	644.34	K	Joback Method
tf	277.91	K	Joback Method
vc	0.369	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	202.95	J/mol×K	447.46	Joback Method
cpg	214.90	J/mol×K	480.27	Joback Method
cpg	226.15	J/mol×K	513.09	Joback Method
cpg	236.76	J/mol×K	545.90	Joback Method
cpg	246.73	J/mol×K	578.71	Joback Method
cpg	256.12	J/mol×K	611.53	Joback Method
cpg	264.96	J/mol×K	644.34	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=R50579&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