Ethyl iminopropanoate

Inchi: InChI=1S/C5H11NO/c1-3-5(6)7-4-2/h6H,3-4H2,1-2H3
InchiKey: VBZCVIBBTVSYSO-UHFFFAOYSA-N
Formula: C5H11NO
SMILES: CCOC(=N)CC
Mol. weight [g/mol]: 101.15

Physical Properties

Property code	Value	Unit	Source
gf	89.82	kJ/mol	Joback Method
hf	-80.42	kJ/mol	Joback Method
hvap	41.22	kJ/mol	Joback Method
log10ws	-2.41		Crippen Method
logp	1.410		Crippen Method
mcvol	92.860	ml/mol	McGowan Method
rinpol	728.00		NIST Webbook
tb	420.56	K	Joback Method
tf	237.12	K	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	179.69	J/mol×K	420.56	Joback Method
cpg	52.28	J/mol×K	100.12	Joback Method
cpg	52.28	J/mol×K	100.12	Joback Method
cpg	52.28	J/mol×K	100.12	Joback Method
cpg	52.28	J/mol×K	100.12	Joback Method
cpg	52.28	J/mol×K	100.12	Joback Method
cpg	52.28	J/mol×K	100.12	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=R511670&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
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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point