1-Propanamine, 1-methyl, N-(1-methylethyl)

Inchi: InChI=1S/C7H17N/c1-5-7(4)8-6(2)3/h6-8H,5H2,1-4H3
InchiKey: JYOCKIVAXFOJOK-UHFFFAOYSA-N
Formula: C7H17N
SMILES: CCC(C)NC(C)C
Mol. weight [g/mol]: 115.22

Physical Properties

Property code	Value	Unit	Source
gf	92.57	kJ/mol	Joback Method
hf	-144.90	kJ/mol	Joback Method
hfus	11.94	kJ/mol	Joback Method
hvap	36.84	kJ/mol	Joback Method
log10ws	-2.17		Crippen Method
logp	1.783		Crippen Method
mcvol	119.470	ml/mol	McGowan Method
pc	2887.40	kPa	Joback Method
rinpol	746.00		NIST Webbook
tb	408.85	K	Joback Method
tc	585.87	K	Joback Method
tf	191.31	K	Joback Method
vc	0.451	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	238.11	J/mol×K	408.85	Joback Method
cpg	251.44	J/mol×K	438.35	Joback Method
cpg	264.24	J/mol×K	467.86	Joback Method
cpg	276.52	J/mol×K	497.36	Joback Method
cpg	288.29	J/mol×K	526.86	Joback Method
cpg	299.58	J/mol×K	556.37	Joback Method
cpg	310.38	J/mol×K	585.87	Joback Method

Sources

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=R19715&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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