3-Propyl-pyrrolidine

Inchi: InChI=1S/C7H15N/c1-2-3-7-4-5-8-6-7/h7-8H,2-6H2,1H3
InchiKey: RKFKEXKTXWGBCN-UHFFFAOYSA-N
Formula: C7H15N
SMILES: CCCC1CCNC1
Mol. weight [g/mol]: 113.20

Physical Properties

Property code	Value	Unit	Source
gf	132.32	kJ/mol	Joback Method
hf	-89.52	kJ/mol	Joback Method
hfus	17.41	kJ/mol	Joback Method
hvap	38.19	kJ/mol	Joback Method
log10ws	-1.59		Crippen Method
logp	1.396		Crippen Method
mcvol	108.610	ml/mol	McGowan Method
pc	3522.09	kPa	Joback Method
rinpol	954.00		NIST Webbook
tb	423.39	K	Joback Method
tc	626.43	K	Joback Method
tf	284.58	K	Joback Method
vc	0.406	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	216.22	J/mol×K	423.39	Joback Method
cpg	231.78	J/mol×K	457.23	Joback Method
cpg	246.61	J/mol×K	491.07	Joback Method
cpg	260.74	J/mol×K	524.91	Joback Method
cpg	274.18	J/mol×K	558.75	Joback Method
cpg	286.95	J/mol×K	592.59	Joback Method
cpg	299.08	J/mol×K	626.43	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=R405911&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
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