2-Propen-1-amine, N,N-dipropyl-

Other names:	Allyldipropylamine
	Dipropyl allyl amine
Inchi:	InChI=1S/C9H19N/c1-4-7-10(8-5-2)9-6-3/h4H,1,5-9H2,2-3H3
InchiKey:	URBIUAWKOUCECW-UHFFFAOYSA-N
Formula:	C9H19N
SMILES:	C=CCN(CCC)CCC
Mol. weight [g/mol]:	141.25
CAS:	5666-19-3

Physical Properties

Property code	Value	Unit	Source
gf	223.52	kJ/mol	Joback Method
hf	-36.13	kJ/mol	Joback Method
hfus	20.81	kJ/mol	Joback Method
hvap	37.00	kJ/mol	Joback Method
log10ws	-2.01		Crippen Method
logp	2.294		Crippen Method
mcvol	143.350	ml/mol	McGowan Method
pc	2398.22	kPa	Joback Method
rinpol	906.00		NIST Webbook
tb	414.44	K	Joback Method
tc	579.44	K	Joback Method
tf	221.90	K	Joback Method
vc	0.538	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	287.47	J/mol×K	414.44	Joback Method
cpg	302.07	J/mol×K	441.94	Joback Method
cpg	316.05	J/mol×K	469.44	Joback Method
cpg	329.45	J/mol×K	496.94	Joback Method
cpg	342.28	J/mol×K	524.44	Joback Method
cpg	354.56	J/mol×K	551.94	Joback Method

cpg	366.31	J/mol×K	579.44	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=C5666193&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

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