Formamide, N-[3-(dimethylamino)propyl]-

Other names:	Dimethylaminopropyl formamide
	N-(3-(Dimethylamino)propyl)formamide
	N,N-Dimethyl-N'-formylpropylenediamine
Inchi:	InChI=1S/C6H14N2O/c1-8(2)5-3-4-7-6-9/h6H,3-5H2,1-2H3,(H,7,9)
InchiKey:	WFBDWTZOYPUBQZ-UHFFFAOYSA-N
Formula:	C6H14N2O
SMILES:	CN(C)CCCN=CO
Mol. weight [g/mol]:	130.19
CAS:	5922-69-0

Physical Properties

Property code	Value	Unit	Source
hf	-169.65	kJ/mol	Joback Method
hvap	50.99	kJ/mol	Joback Method
log10ws	0.11		Crippen Method
logp	0.524		Crippen Method
mcvol	116.930	ml/mol	McGowan Method
pc	3055.79	kPa	Joback Method
tb	517.98	K	Joback Method
tc	695.39	K	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=C5922690&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature