1-Propanamine, N-methyl-N-nitroso-

Other names:	Propylamine, N-methyl-N-nitroso-
	Methylpropylnitrosamine
	N-Methyl-N-nitrosopropylamine
	N-Nitrosomethyl-n-propylamine
	N-Nitroso methyl propylamine
	N-Methyl-N-nitroso-1-propanamine
	Methylpropylnitrosoamine
	Methyl-n-propylnitrosamine
	MPN
	Nitrosomethyl-n-propylamine
	Nitrosomethylpropylamine
	N-Nitroso-N-methylpropylamine
Inchi:	InChI=1S/C4H10N2O/c1-3-4-6(2)5-7/h3-4H2,1-2H3
InchiKey:	ITBDKUCVKYSWMF-UHFFFAOYSA-N
Formula:	C4H10N2O
SMILES:	CCCN(C)N=O
Mol. weight [g/mol]:	102.14
CAS:	924-46-9

Physical Properties

Property code	Value	Unit	Source
hf	-226.55	kJ/mol	Joback Method
hvap	35.64	kJ/mol	Joback Method
log10ws	-1.25		Crippen Method
logp	1.010		Crippen Method
mcvol	88.750	ml/mol	McGowan Method
pc	3801.00	kPa	Joback Method
rinpol	887.00		NIST Webbook
tb	366.76	K	Joback Method
tc	533.59	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C924469&Units=SI

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

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature