Ethanamine, N-methyl-N-nitroso-

Other names:	Ethylamine, N-methyl-N-nitroso-
	Ethylmethylnitrosamine
	Methylethylnitrosamine
	Methylethylnitrosoamine
	N-Methyl-N-nitrosoethanamine
	N-Methyl-N-nitrosoethylamine
	N-Nitrosomethylethylamine
	Nitrosomethylethylamine
	Methylaethylnitrosamin
	N,N-Methylethylnitrosamine
	N-Methyl-N-nitroso-ethamine
	NEMA
	N-Nitrosoethylmethylamine
	N-Nitroso-N-methylethylamine
Inchi:	InChI=1S/C3H8N2O/c1-3-5(2)4-6/h3H2,1-2H3
InchiKey:	RTDCJKARQCRONF-UHFFFAOYSA-N
Formula:	C3H8N2O
SMILES:	CCN(C)N=O
Mol. weight [g/mol]:	88.11
CAS:	10595-95-6

Physical Properties

Property code	Value	Unit	Source
hf	-205.91	kJ/mol	Joback Method
hvap	33.41	kJ/mol	Joback Method
log10ws	-0.83		Crippen Method
logp	0.620		Crippen Method
mcvol	74.660	ml/mol	McGowan Method
pc	4294.29	kPa	Joback Method
rinpol	802.00		NIST Webbook
rinpol	124.45		NIST Webbook
rinpol	132.65		NIST Webbook
rinpol	802.00		NIST Webbook
tb	343.88	K	Joback Method
tc	510.67	K	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=C10595956&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

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