2-Propanamine, N-ethyl-N-nitroso-

Other names:	Diethylamine, 1-methyl-N-nitroso-
	Ethylisopropylnitrosamine
	Isopropylamine, N-ethyl-N-nitroso-
	1-Methyl-N-nitrosodiethylamine
	Aethyl-isopropyl-nitrosoamin
	Ethylisopropylnitrosoamine
	N-Nitrosoethylisopropylamine
	1-Ethyl-1-isopropyl-2-oxohydrazine
Inchi:	InChI=1S/C5H12N2O/c1-4-7(6-8)5(2)3/h5H,4H2,1-3H3
InchiKey:	VGGZTNNNXAUZLB-UHFFFAOYSA-N
Formula:	C5H12N2O
SMILES:	CCN(N=O)C(C)C
Mol. weight [g/mol]:	116.16
CAS:	16339-04-1

Physical Properties

Property code	Value	Unit	Source
hf	-252.47	kJ/mol	Joback Method
hvap	37.48	kJ/mol	Joback Method
log10ws	-1.78		Crippen Method
logp	1.398		Crippen Method
mcvol	102.840	ml/mol	McGowan Method
pc	3419.86	kPa	Joback Method
tb	389.20	K	Joback Method
tc	559.55	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=C16339041&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

tb: Normal Boiling Point Temperature

tc: Critical Temperature