Urea, N-ethyl-N',N'-dimethyl-N-nitroso-

Other names:	Nitrosodimethylethylurea
	Nitrosoethyldimethylurea
	Urea, 1,1-dimethyl-3-ethyl-3-nitroso-
	1,1-Dimethyl-3-ethyl-3-nitrosourea
	Nitrosoaethyldimethylharnstoff
	Nitroso-1,1-dimethyl-3-ethylurea
	1-Nitroso-1-ethyl-3,3-dimethylurea
Inchi:	InChI=1S/C5H11N3O2/c1-4-8(6-10)5(9)7(2)3/h4H2,1-3H3
InchiKey:	IQQINRUQUTUNST-UHFFFAOYSA-N
Formula:	C5H11N3O2
SMILES:	CCN(N=O)C(=O)N(C)C
Mol. weight [g/mol]:	145.16
CAS:	50285-71-7

Physical Properties

Property code	Value	Unit	Source
hf	-292.24	kJ/mol	Joback Method
hvap	46.65	kJ/mol	Joback Method
log10ws	-0.99		Crippen Method
logp	0.671		Crippen Method
mcvol	114.390	ml/mol	McGowan Method
pc	3642.13	kPa	Joback Method
tb	455.95	K	Joback Method
tc	632.48	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=C50285717&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