Urea, 1,3-diethyl-1-nitroso-

Inchi: InChI=1S/C5H11N3O2/c1-3-6-5(9)8(4-2)7-10/h3-4H2,1-2H3,(H,6,9)
InchiKey: DEWYOTJLJIGZHS-UHFFFAOYSA-N
Formula: C5H11N3O2
SMILES: CCNC(=O)N(CC)N=O
Mol. weight [g/mol]: 145.16
CAS: 49540-32-1

Physical Properties

Property code	Value	Unit	Source
hf	-306.30	kJ/mol	Joback Method
hvap	51.05	kJ/mol	Joback Method
log10ws	-1.61		Crippen Method
logp	0.719		Crippen Method
mcvol	114.390	ml/mol	McGowan Method
pc	3708.97	kPa	Joback Method
tb	493.68	K	Joback Method
tc	675.01	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C49540321&Units=SI

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