Acetamide, N-methyl-N-nitroso-

Inchi: InChI=1S/C3H6N2O2/c1-3(6)5(2)4-7/h1-2H3
InchiKey: FFLFWNRFMZRFKU-UHFFFAOYSA-N
Formula: C3H6N2O2
SMILES: CC(=O)N(C)N=O
Mol. weight [g/mol]: 102.09
CAS: 7417-67-6

Physical Properties

Property code	Value	Unit	Source
hf	-318.49	kJ/mol	Joback Method
hvap	40.16	kJ/mol	Joback Method
log10ws	-0.61		Crippen Method
logp	0.146		Crippen Method
mcvol	76.230	ml/mol	McGowan Method
pc	4672.09	kPa	Joback Method
rinpol	684.00		NIST Webbook
rinpol	684.00		NIST Webbook
tb	397.75	K	Joback Method
tc	578.55	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=C7417676&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature