Acetaldehyde, dimethylhydrazone

Other names:	(CH3)2NN=CHCH3
	Acetaldehyde, dimethylhydrazone (cas)
	Ethanal, dimethylhydrazone
Inchi:	InChI=1S/C4H10N2/c1-4-5-6(2)3/h4H,1-3H3
InchiKey:	FDWQPDLACZBQBC-UHFFFAOYSA-N
Formula:	C4H10N2
SMILES:	CC=NN(C)C
Mol. weight [g/mol]:	86.14
CAS:	7422-90-4

Physical Properties

Property code	Value	Unit	Source
hf	23.86	kJ/mol	Joback Method
hvap	29.86	kJ/mol	Joback Method
ie	7.54	eV	NIST Webbook
log10ws	-0.22		Crippen Method
logp	0.554		Crippen Method
mcvol	82.880	ml/mol	McGowan Method
pc	3423.86	kPa	Joback Method
rinpol	676.00		NIST Webbook
rinpol	676.00		NIST Webbook
rinpol	675.00		NIST Webbook
rinpol	676.00		NIST Webbook
rinpol	696.50		NIST Webbook
rinpol	675.00		NIST Webbook
tb	380.04	K	Joback Method
tc	568.36	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=C7422904&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
ie:	Ionization energy
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