Formaldehyde, dimethylhydrazone

Other names:	Dimethylmethylenehydrazine
	Formaldehyde 2,2-dimethylhydrazone
	Methanal, dimethylhydrazone
Inchi:	InChI=1S/C3H8N2/c1-4-5(2)3/h1H2,2-3H3
InchiKey:	NDNVSJIXYFNRDR-UHFFFAOYSA-N
Formula:	C3H8N2
SMILES:	C=NN(C)C
Mol. weight [g/mol]:	72.11
CAS:	2035-89-4

Physical Properties

Property code	Value	Unit	Source
hf	52.71	kJ/mol	Joback Method
hvap	27.00	kJ/mol	Joback Method
ie	7.85	eV	NIST Webbook
log10ws	0.20		Crippen Method
logp	0.164		Crippen Method
mcvol	68.790	ml/mol	McGowan Method
pc	3796.32	kPa	Joback Method
rinpol	593.00		NIST Webbook
rinpol	593.00		NIST Webbook
tb	349.68	K	Joback Method
tc	532.78	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=C2035894&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
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