Cyclobutanone, cyclobutylidenehydrazone

Inchi: InChI=1S/C8H12N2/c1-3-7(4-1)9-10-8-5-2-6-8/h1-6H2
InchiKey: WRFPPCFWYQIWJG-UHFFFAOYSA-N
Formula: C8H12N2
SMILES: C1CC(=NN=C2CCC2)C1
Mol. weight [g/mol]: 136.19
CAS: 72593-07-8

Physical Properties

Property code	Value	Unit	Source
hf	47.57	kJ/mol	Joback Method
hvap	42.48	kJ/mol	Joback Method
ie	8.83	eV	NIST Webbook
log10ws	-2.28		Crippen Method
logp	2.151		Crippen Method
mcvol	113.220	ml/mol	McGowan Method
pc	2871.95	kPa	Joback Method
tb	572.12	K	Joback Method
tc	818.22	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C72593078&Units=SI
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

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature