Cyclopentanone, cyclopentylidenehydrazone

Inchi: InChI=1S/C10H16N2/c1-2-6-9(5-1)11-12-10-7-3-4-8-10/h1-8H2
InchiKey: KFQDLKRAVRTKMF-UHFFFAOYSA-N
Formula: C10H16N2
SMILES: C1CCC(=NN=C2CCCC2)C1
Mol. weight [g/mol]: 164.25
CAS: 20615-04-7

Physical Properties

Property code	Value	Unit	Source
hf	-6.03	kJ/mol	Joback Method
hvap	47.27	kJ/mol	Joback Method
ie	8.32	eV	NIST Webbook
log10ws	-3.12		Crippen Method
logp	2.931		Crippen Method
mcvol	141.400	ml/mol	McGowan Method
pc	2480.12	kPa	Joback Method
tb	626.42	K	Joback Method
tc	879.13	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=C20615047&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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