Cycloheptanone, cycloheptylidenehydrazone

Inchi: InChI=1S/C14H24N2/c1-2-6-10-13(9-5-1)15-16-14-11-7-3-4-8-12-14/h1-12H2
InchiKey: HLVZCWVTGHIVOV-UHFFFAOYSA-N
Formula: C14H24N2
SMILES: C1CCCC(=NN=C2CCCCCC2)CC1
Mol. weight [g/mol]: 220.35
CAS: 24214-70-8

Physical Properties

Property code	Value	Unit	Source
hf	-113.23	kJ/mol	Joback Method
hvap	56.86	kJ/mol	Joback Method
ie	8.14	eV	NIST Webbook
log10ws	-4.79		Crippen Method
logp	4.492		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
pc	1903.58	kPa	Joback Method
tb	735.02	K	Joback Method
tc	997.62	K	Joback Method

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
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=C24214708&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature