Amidrazone, 1,1,4,4-tetramethyl

Inchi: InChI=1S/C5H13N3/c1-7(2)5-6-8(3)4/h5H,1-4H3/b6-5+
InchiKey: ZMYFTZKYEGWYHI-AATRIKPKSA-N
Formula: C5H13N3
SMILES: CN(C)C=NN(C)C
Mol. weight [g/mol]: 115.18

Physical Properties

Property code	Value	Unit	Source
hf	70.75	kJ/mol	Joback Method
hvap	34.12	kJ/mol	Joback Method
log10ws	0.29		Crippen Method
logp	0.053		Crippen Method
mcvol	106.950	ml/mol	McGowan Method
pc	3062.55	kPa	Joback Method
rinpol	868.00		NIST Webbook
rinpol	868.00		NIST Webbook
tb	415.36	K	Joback Method
tc	600.61	K	Joback Method

Sources

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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R511323&Units=SI

Legend

hf: Enthalpy of formation at standard conditions
hvap: Enthalpy of vaporization at standard conditions

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