Acetic acid, 2,2-dimethylhydrazide

Other names: N',N'-dimethylacetohydrazide
Inchi: InChI=1S/C4H10N2O/c1-4(7)5-6(2)3/h1-3H3,(H,5,7)
InchiKey: SLIKWWJXVUHCPJ-UHFFFAOYSA-N
Formula: C4H10N2O
SMILES: CC(O)=NN(C)C
Mol. weight [g/mol]: 102.14
CAS: 6233-04-1

Physical Properties

Property code	Value	Unit	Source
hf	-138.16	kJ/mol	Joback Method
hvap	46.61	kJ/mol	Joback Method
log10ws	-0.04		Crippen Method
logp	0.439		Crippen Method
mcvol	88.750	ml/mol	McGowan Method
pc	3848.31	kPa	Joback Method
rinpol	941.00		NIST Webbook
tb	472.10	K	Joback Method
tc	656.18	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=C6233041&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