

2-Butanone, methylhydrazone

Inchi: InChI=1S/C5H12N2/c1-4-5(2)7-6-3/h6H,4H2,1-3H3/b7-5+
InchiKey: VBCGYWVDRKKFET-FNORWQNLSA-N
Formula: C5H12N2
SMILES: CCC(C)=NNC
Mol. weight [g/mol]: 100.16

Physical Properties

Property code	Value	Unit	Source
hf	-20.63	kJ/mol	Joback Method
hvap	36.55	kJ/mol	Joback Method
log10ws	-1.26		Crippen Method
logp	0.992		Crippen Method
mcvol	96.970	ml/mol	McGowan Method
pc	3138.51	kPa	Joback Method
rinpol	816.00		NIST Webbook
tb	440.53	K	Joback Method
tc	637.47	K	Joback Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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=R510959&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

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