

2-Butanone, dimethylhydrazone

Inchi: InChI=1S/C6H14N2/c1-5-6(2)7-8(3)4/h5H2,1-4H3/b7-6-
InchiKey: WGFNKFZVRKEEAP-SREVYHEPSA-N
Formula: C6H14N2
SMILES: CCC(C)=NN(C)C
Mol. weight [g/mol]: 114.19

Physical Properties

Property code	Value	Unit	Source
hf	-27.21	kJ/mol	Joback Method
hvap	34.39	kJ/mol	Joback Method
log10ws	-1.06		Crippen Method
logp	1.334		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
pc	2781.78	kPa	Joback Method
rinpol	774.00		NIST Webbook
rinpol	775.00		NIST Webbook
rinpol	775.00		NIST Webbook
rinpol	793.10		NIST Webbook
rinpol	774.00		NIST Webbook
rinpol	775.00		NIST Webbook
tb	425.68	K	Joback Method
tc	615.03	K	Joback Method

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R224163&Units=SI>
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>

Legend

hf:	Enthalpy of formation at standard conditions
h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀ws:	Log ₁₀ of Water solubility in mol/l
log_p:	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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