

Acetone, (1-methyl-2-propenyl) hydrazone

Inchi: InChI=1S/C7H14N2/c1-5-7(4)9-8-6(2)3/h5,7,9H,1H2,2-4H3
InchiKey: JMIGFDACDABJCD-UHFFFAOYSA-N
Formula: C7H14N2
SMILES: C=CC(C)NN=C(C)C
Mol. weight [g/mol]: 126.20

Physical Properties

Property code	Value	Unit	Source
hf	58.24	kJ/mol	Joback Method
hvap	39.95	kJ/mol	Joback Method
log10ws	-2.06		Crippen Method
logp	1.546		Crippen Method
mcvol	120.850	ml/mol	McGowan Method
pc	2693.00	kPa	Joback Method
rinpol	910.00		NIST Webbook
tb	482.53	K	Joback Method
tc	683.49	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=R511269&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
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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