

2-Butanone, methyl-2-propenylhydrazone

Other names:	Methylallylhydrazone methyl ethyl ketone
Inchi:	InChI=1S/C8H16N2/c1-5-7-10(4)9-8(3)6-2/h5H,1,6-7H2,2-4H3
InchiKey:	CQUSZUHIHJRXMG-UHFFFAOYSA-N
Formula:	C8H16N2
SMILES:	C=CCN(C)N=C(C)CC
Mol. weight [g/mol]:	140.23
CAS:	62237-77-8

Physical Properties

Property code	Value	Unit	Source
hf	56.94	kJ/mol	Joback Method
hvap	38.17	kJ/mol	Joback Method
log10ws	-1.75		Crippen Method
logp	1.890		Crippen Method
mcvol	134.940	ml/mol	McGowan Method
pc	2388.85	kPa	Joback Method
tb	468.12	K	Joback Method
tc	657.69	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=C62237778&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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