

2-Propanone, 2-propenylhydrazone

Other names:	Acetone allylhydrazone
Inchi:	InChI=1S/C6H12N2/c1-4-5-7-8-6(2)3/h4,7H,1,5H2,2-3H3
InchiKey:	OEDRFAFCSZTSO-UHFFFAOYSA-N
Formula:	C6H12N2
SMILES:	C=CCNN=C(C)C
Mol. weight [g/mol]:	112.17
CAS:	19031-79-9

Physical Properties

Property code	Value	Unit	Source
hf	84.16	kJ/mol	Joback Method
hvap	38.11	kJ/mol	Joback Method
log10ws	-1.53		Crippen Method
logp	1.158		Crippen Method
mcvol	106.760	ml/mol	McGowan Method
pc	2956.90	kPa	Joback Method
rinpola	880.00		NIST Webbook
rinpola	880.00		NIST Webbook
tb	460.09	K	Joback Method
tc	659.04	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C19031799&Units=SI
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

Legend

hf:	Enthalpy of formation at standard conditions
hvac:	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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