Acetaldehyde, (1-methylethyl)hydrazone

Other names:	Acetaldehyde isopropylhydrazone
	Ethanal, isorpropylhydrazone, syn (#2)
Inchi:	InChI=1S/C5H12N2/c1-4-6-7-5(2)3/h4-5,7H,1-3H3
InchiKey:	CHDZJJJPEGMSAM-UHFFFAOYSA-N
Formula:	C5H12N2
SMILES:	CC=NNC(C)C
Mol. weight [g/mol]:	100.16
CAS:	7422-89-1

Physical Properties

Property code	Value	Unit	Source
hf	-16.12	kJ/mol	Joback Method
hvap	36.09	kJ/mol	Joback Method
log10ws	-1.37		Crippen Method
logp	0.990		Crippen Method
mcvol	96.970	ml/mol	McGowan Method
pc	3149.09	kPa	Joback Method
rinpol	770.00		NIST Webbook
rinpol	770.00		NIST Webbook
tb	440.21	K	Joback Method
tc	637.85	K	Joback Method

Sources

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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7422891&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