

Methanal, allyl isopropyl hydrazone

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

Physical Properties

Property code	Value	Unit	Source
hf	90.30	kJ/mol	Joback Method
hvap	34.85	kJ/mol	Joback Method
log10ws	-1.44		Crippen Method
logp	1.498		Crippen Method
mcvol	120.850	ml/mol	McGowan Method
pc	2611.07	kPa	Joback Method
rinpol	886.00		NIST Webbook
tb	437.44	K	Joback Method
tc	624.51	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R511878&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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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