Propanal, 2-methyl-, 2-propenylhydrazone

Other names: Isobutyraldehyde allylhydrazone
Isobutanal, allylhydrazone
Inchi: InChI=1S/C7H14N2/c1-4-5-8-9-6-7(2)3/h4,6-8H,1,5H2,2-3H3
InchiKey: WPPLATYTIDUBIO-UHFFFAOYSA-N
Formula: C7H14N2
SMILES: C=CCNN=CC(C)C
Mol. weight [g/mol]: 126.20
CAS: 66075-08-9

Physical Properties

Property code	Value	Unit	Source
hf	68.03	kJ/mol	Joback Method
hvap	39.87	kJ/mol	Joback Method
log10ws	-1.71		Crippen Method
logp	1.404		Crippen Method
mcvol	120.850	ml/mol	McGowan Method
pc	2679.08	kPa	Joback Method
rinpol	948.00		NIST Webbook
rinpol	948.00		NIST Webbook
tb	482.65	K	Joback Method
tc	679.84	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=C66075089&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