Propanal, 2-propenylhydrazone

Other names: Propionaldehyde allylhydrazone
Propanal, allylhydrazone
Inchi: InChI=1S/C6H12N2/c1-3-5-7-8-6-4-2/h3,6-7H,1,4-5H2,2H3
InchiKey: POQUCILEWSEAQS-UHFFFAOYSA-N
Formula: C6H12N2
SMILES: C=CCNN=CCC
Mol. weight [g/mol]: 112.17
CAS: 19031-78-8

Physical Properties

Property code	Value	Unit	Source
hf	93.95	kJ/mol	Joback Method
hvap	38.03	kJ/mol	Joback Method
log10ws	-1.53		Crippen Method
logp	1.158		Crippen Method
mcvol	106.760	ml/mol	McGowan Method
pc	2940.89	kPa	Joback Method
rinpol	913.00		NIST Webbook
rinpol	913.00		NIST Webbook
tb	460.21	K	Joback Method
tc	655.36	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=C19031788&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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