

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
rinpola	913.00		NIST Webbook
rinpola	913.00		NIST Webbook
tb	460.21	K	Joback Method
tc	655.36	K	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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

Legend

hf:	Enthalpy of formation at standard conditions
h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀ws:	Log ₁₀ of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
r_{inpol}:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

Latest version available from:

<https://www.cheméo.com/cid/80-935-5/Propanal-2-propenylhydrazone.pdf>

Generated by Cheméo on 2025-12-25 15:30:24.36344189 +0000 UTC m=+6424821.893482554.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.