

Propanal, methylhydrazone

Inchi: InChI=1S/C4H10N2/c1-3-4-6-5-2/h4-5H,3H2,1-2H3
InchiKey: CFYWNDYYRPLZQO-UHFFFAOYSA-N
Formula: C4H10N2
SMILES: CCC=NNC
Mol. weight [g/mol]: 86.14

Physical Properties

Property code	Value	Unit	Source
hf	9.80	kJ/mol	Joback Method
hvap	34.25	kJ/mol	Joback Method
log10ws	-0.84		Crippen Method
logp	0.602		Crippen Method
mcvol	82.880	ml/mol	McGowan Method
pc	3484.76	kPa	Joback Method
rinsol	766.00		NIST Webbook
tb	417.77	K	Joback Method
tc	612.79	K	Joback Method

Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R512059&Units=SI>
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

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

Latest version available from:

<https://www.cheméo.com/cid/27-037-1/Propanal-methylhydrazone.pdf>

Generated by Cheméo on 2025-12-05 20:13:31.75866836 +0000 UTC m=+4713809.288709024.

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