Formaldehyde, dipropylhydrazone

Other names: Formaldehyde di-n-propylhydrazone
Inchi: InChI=1S/C7H16N2/c1-4-6-9(8-3)7-5-2/h3-7H2,1-2H3
InchiKey: GFWCHVXFEKXRSY-UHFFFAOYSA-N
Formula: C7H16N2
SMILES: C=NN(CCC)CCC
Mol. weight [g/mol]: 128.22
CAS: 54253-56-4

Physical Properties

Property code	Value	Unit	Source
chl	-5054.30 ± 1.20	kJ/mol	NIST Webbook
hf	-29.85	kJ/mol	Joback Method
hfl	13.00 ± 1.20	kJ/mol	NIST Webbook
hvap	35.91	kJ/mol	Joback Method
log10ws	-1.48		Crippen Method
logp	1.724		Crippen Method
mcvol	125.150	ml/mol	McGowan Method
pc	2482.59	kPa	Joback Method
tb	441.20	K	Joback Method
tc	620.38	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=C54253564&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

chl:	Standard liquid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase 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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature