Propanal, dipropylhydrazone

Other names: Di-n-propylhydrazone propionaldehyde
Inchi: InChI=1S/C9H20N2/c1-4-7-10-11(8-5-2)9-6-3/h7H,4-6,8-9H2,1-3H3
InchiKey: HZLLEYSUZNQXGX-UHFFFAOYSA-N
Formula: C9H20N2
SMILES: CCC=NN(CCC)CCC
Mol. weight [g/mol]: 156.27
CAS: 34687-35-9

Physical Properties

Property code	Value	Unit	Source
chl	-6350.30 ± 1.00	kJ/mol	NIST Webbook
hf	-79.34	kJ/mol	Joback Method
hfl	-49.40 ± 1.00	kJ/mol	NIST Webbook
hvap	40.98	kJ/mol	Joback Method
log10ws	-2.31		Crippen Method
logp	2.504		Crippen Method
mcvol	153.330	ml/mol	McGowan Method
pc	2086.93	kPa	Joback Method
tb	494.44	K	Joback Method
tc	675.03	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C34687359&Units=SI
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

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