Valeraldehyde, dimethylhydrazone

Inchi: InChI=1S/C7H16N2/c1-4-5-6-7-8-9(2)3/h7H,4-6H2,1-3H3
InchiKey: GETAETQIBNJCHL-UHFFFAOYSA-N
Formula: C7H16N2
SMILES: CCCCC=NN(C)C
Mol. weight [g/mol]: 128.22
CAS: 14090-57-4

Physical Properties

Property code	Value	Unit	Source
hf	-38.06	kJ/mol	Joback Method
hvap	36.53	kJ/mol	Joback Method
log10ws	-1.48		Crippen Method
logp	1.724		Crippen Method
mcvol	125.150	ml/mol	McGowan Method
pc	2507.52	kPa	Joback Method
rinpol	958.00		NIST Webbook
rinpol	958.00		NIST Webbook
rinpol	971.10		NIST Webbook
rinpol	958.00		NIST Webbook
tb	448.68	K	Joback Method
tc	632.75	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C14090574&Units=SI

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