Acetaldehyde, phenylhydrazone

Inchi: InChI=1S/C8H10N2/c1-2-9-10-8-6-4-3-5-7-8/h2-7,10H,1H3
InchiKey: KURBTRNHGDQKOS-UHFFFAOYSA-N
Formula: C8H10N2
SMILES: CC=NNc1ccccc1
Mol. weight [g/mol]: 134.18
CAS: 935-07-9

Physical Properties

Property code	Value	Unit	Source
chs	-4436.30	kJ/mol	NIST Webbook
hf	163.77	kJ/mol	Joback Method
hfs	-141.00	kJ/mol	NIST Webbook
hfs	-167.00	kJ/mol	NIST Webbook
hvap	45.43	kJ/mol	Joback Method
log10ws	-2.05		Crippen Method
logp	2.104		Crippen Method
mcvol	115.480	ml/mol	McGowan Method
pc	3276.53	kPa	Joback Method
tb	535.97	K	Joback Method
tc	768.26	K	Joback Method

Sources

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=C935079&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

chs:	Standard solid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfs:	Solid 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