2-Propanone, ethyl(1-methylethyl)hydrazone

Other names: Acetone ethylisopropylhydrazone
Inchi: InChI=1S/C8H18N2/c1-6-10(8(4)5)9-7(2)3/h8H,6H2,1-5H3
InchiKey: FQBTUCJQGSWWGU-UHFFFAOYSA-N
Formula: C8H18N2
SMILES: CCN(N=C(C)C)C(C)C
Mol. weight [g/mol]: 142.24
CAS: 75268-05-2

Physical Properties

Property code	Value	Unit	Source
chl	-5667.20 ± 1.00	kJ/mol	NIST Webbook
hf	-73.77	kJ/mol	Joback Method
hfl	-53.10 ± 1.00	kJ/mol	NIST Webbook
hvap	38.45	kJ/mol	Joback Method
log10ws	-2.01		Crippen Method
logp	2.112		Crippen Method
mcvol	139.240	ml/mol	McGowan Method
pc	2311.39	kPa	Joback Method
tb	471.00	K	Joback Method
tc	660.83	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=C75268052&Units=SI

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