2-Butanone, ethylhydrazone

Other names: Methylethylketone ethylhydrazone
Inchi: InChI=1S/C6H14N2/c1-4-6(3)8-7-5-2/h7H,4-5H2,1-3H3
InchiKey: PCKXYWXISYJOTB-UHFFFAOYSA-N
Formula: C6H14N2
SMILES: CCNN=C(C)CC
Mol. weight [g/mol]: 114.19
CAS: 16713-35-2

Physical Properties

Property code	Value	Unit	Source
hf	-41.27	kJ/mol	Joback Method
hvap	38.78	kJ/mol	Joback Method
log10ws	-1.68		Crippen Method
logp	1.382		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
pc	2826.33	kPa	Joback Method
rinpol	881.00		NIST Webbook
rinpol	881.00		NIST Webbook
tb	463.41	K	Joback Method
tc	658.15	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=C16713352&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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