

2-Propanone, diethylhydrazone

Other names:	Acetone diethylhydrazone
Inchi:	InChI=1S/C7H16N2/c1-5-9(6-2)8-7(3)4/h5-6H2,1-4H3
InchiKey:	GGVIFVVMUPEGHJ-UHFFFAOYSA-N
Formula:	C7H16N2
SMILES:	CCN(CC)N=C(C)C
Mol. weight [g/mol]:	128.22
CAS:	16713-36-3

Physical Properties

Property code	Value	Unit	Source
hf	-47.85	kJ/mol	Joback Method
hvap	36.61	kJ/mol	Joback Method
log10ws	-1.48		Crippen Method
logp	1.724		Crippen Method
mcvol	125.150	ml/mol	McGowan Method
pc	2520.12	kPa	Joback Method
rinpol	825.00		NIST Webbook
rinpol	839.10		NIST Webbook
tb	448.56	K	Joback Method
tc	636.15	K	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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=C16713363&Units=SI

Legend

hf:	Enthalpy of formation at standard conditions
hvac:	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
rinpola:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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