Butanal, dimethylhydrazone

Other names: Butyraldehyde, dimethylhydrazone
Inchi: InChI=1S/C6H14N2/c1-4-5-6-7-8(2)3/h6H,4-5H2,1-3H3
InchiKey: SEEKWDSXURZRIV-UHFFFAOYSA-N
Formula: C6H14N2
SMILES: CCCC=NN(C)C
Mol. weight [g/mol]: 114.19
CAS: 10424-98-3

Physical Properties

Property code	Value	Unit	Source
hf	-17.42	kJ/mol	Joback Method
hvap	34.31	kJ/mol	Joback Method
log10ws	-1.06		Crippen Method
logp	1.334		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
pc	2767.17	kPa	Joback Method
rinpol	860.00		NIST Webbook
rinpol	860.00		NIST Webbook
rinpol	860.00		NIST Webbook
rinpol	878.90		NIST Webbook
tb	425.80	K	Joback Method
tc	611.49	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C10424983&Units=SI
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

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