Butanal, ethylhydrazone

Other names: Butyraldehyde ethylhydrazone
Inchi: InChI=1S/C6H14N2/c1-3-5-6-8-7-4-2/h6-7H,3-5H2,1-2H3
InchiKey: YICJUYKPMNNKIA-UHFFFAOYSA-N
Formula: C6H14N2
SMILES: CCCC=NNCC
Mol. weight [g/mol]: 114.19
CAS: 51576-30-8

Physical Properties

Property code	Value	Unit	Source
hf	-31.48	kJ/mol	Joback Method
hvap	38.70	kJ/mol	Joback Method
log10ws	-1.68		Crippen Method
logp	1.382		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
pc	2811.36	kPa	Joback Method
rinpol	910.00		NIST Webbook
tb	463.53	K	Joback Method
tc	654.61	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=C51576308&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