Butanal, 2,4,6-trichlorophenyl hydrazone

Inchi: InChI=1S/C10H11Cl3N2/c1-2-3-4-14-15-10-8(12)5-7(11)6-9(10)13/h4-6,15H,2-3H2,1H3/
InchiKey: RLDWTFJTWRWZID-LNKIKWGQSA-N
Formula: C10H11Cl3N2
SMILES: CCCC=NNc1c(Cl)cc(Cl)cc1Cl
Mol. weight [g/mol]: 265.57

Physical Properties

Property code	Value	Unit	Source
hf	40.86	kJ/mol	Joback Method
hvap	65.02	kJ/mol	Joback Method
log10ws	-4.95		Crippen Method
logp	4.845		Crippen Method
mcvol	180.380	ml/mol	McGowan Method
pc	2278.41	kPa	Joback Method
rinpol	1926.00		NIST Webbook
rinpol	1926.00		NIST Webbook
tb	708.96	K	Joback Method
tc	944.72	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=R85063&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