3-Buten-2-one, 2,4,6-trichlorophenyl hydrazone

Inchi: InChI=1S/C10H9Cl3N2/c1-3-6(2)14-15-10-8(12)4-7(11)5-9(10)13/h3-5,15H,1H2,2H3/b14

InchiKey: BJJTWQXFVOJVKR-MKMNVTDBSA-N

Formula: C10H9Cl3N2

SMILES: C=CC(C)=NNc1c(Cl)cc(Cl)cc1Cl

Mol. weight [g/mol]: 263.55

Physical Properties

Property code	Value	Unit	Source
hf	156.50	kJ/mol	Joback Method
hvap	64.43	kJ/mol	Joback Method
log10ws	-4.80		Crippen Method
logp	4.621		Crippen Method
mcvol	176.080	ml/mol	McGowan Method
pc	2384.19	kPa	Joback Method
rinpol	1819.00		NIST Webbook
tb	705.52	K	Joback Method
tc	950.06	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R85031&Units=SI

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