Octanal, 2,4,6-trichlorophenyl hydrazone

Inchi: InChI=1S/C14H19Cl3N2/c1-2-3-4-5-6-7-8-18-19-14-12(16)9-11(15)10-13(14)17/h8-10,19
InchiKey: KDQQICWITKIPDD-QGMBQPNBSA-N
Formula: C14H19Cl3N2
SMILES: CCCCCCCC=NNc1c(Cl)cc(Cl)cc1Cl
Mol. weight [g/mol]: 321.67

Physical Properties

Property code	Value	Unit	Source
hf	-41.70	kJ/mol	Joback Method
hvap	73.93	kJ/mol	Joback Method
log10ws	-6.62		Crippen Method
logp	6.405		Crippen Method
mcvol	236.740	ml/mol	McGowan Method
pc	1627.22	kPa	Joback Method
rinpol	2301.00		NIST Webbook
rinpol	2301.00		NIST Webbook
tb	800.48	K	Joback Method
tc	1021.43	K	Joback Method

Sources

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=R85184&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

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