

Ethanal, 2,4,6-trichlorophenyl hydrazone, #1

Inchi: InChI=1S/C8H7Cl3N2/c1-2-12-13-8-6(10)3-5(9)4-7(8)11/h2-4,13H,1H3/b12-2+
InchiKey: AETCMHAHVWPXPK-SWGQDTFXSA-N
Formula: C8H7Cl3N2
SMILES: CC=NNc1c(Cl)cc(Cl)cc1Cl
Mol. weight [g/mol]: 237.51

Physical Properties

Property code	Value	Unit	Source
hf	82.14	kJ/mol	Joback Method
hvap	60.57	kJ/mol	Joback Method
log10ws	-4.11		Crippen Method
logp	4.064		Crippen Method
mcvol	152.200	ml/mol	McGowan Method
pc	2761.36	kPa	Joback Method
rinpol	1751.00		NIST Webbook
rinpol	1751.00		NIST Webbook
tb	663.20	K	Joback Method
tc	909.06	K	Joback Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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=R85134&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

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