

Butanal, 2,4,6-trichlorophenyl hydrazone, #2

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	1993.00		NIST Webbook
rinpol	1993.00		NIST Webbook
tb	708.96	K	Joback Method
tc	944.72	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R85081&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

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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