

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

**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:** RLDWTFJTW RWZID-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	1938.00		NIST Webbook
rinpol	1938.00		NIST Webbook
tb	708.96	K	Joback Method
tc	944.72	K	Joback Method

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R85077&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvap:** Enthalpy of vaporization at standard conditions

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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