

# Ethanal ethylhydrazone, N-benzoyl

**Inchi:** InChI=1S/C11H14N2O/c1-3-12-13(4-2)11(14)10-8-6-5-7-9-10/h3,5-9H,4H2,1-2H3  
**InchiKey:** OIRPKNRCWHZWFS-UHFFFAOYSA-N  
**Formula:** C11H14N2O  
**SMILES:** CC=NN(CC)C(=O)c1ccccc1  
**Mol. weight [g/mol]:** 190.24

## Physical Properties

Property code	Value	Unit	Source
hf	3.33	kJ/mol	Joback Method
hvap	54.46	kJ/mol	Joback Method
log10ws	-2.61		Crippen Method
logp	2.154		Crippen Method
mcvol	159.320	ml/mol	McGowan Method
pc	2532.82	kPa	Joback Method
rinpol	1556.00		NIST Webbook
rinpol	1556.00		NIST Webbook
tb	620.75	K	Joback Method
tc	845.07	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](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>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R323161&Units=SI>

## 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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