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
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

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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