Isobutanal, ethylhydrazone, N-benzoyl

Inchi: InChI=1S/C13H18N2O/c1-4-15(14-10-11(2)3)13(16)12-8-6-5-7-9-12/h5-11H,4H2,1-3H3/b
InchiKey: KINZAKPIMCWVLO-GXDHUFHOSA-N
Formula: C13H18N2O
SMILES: CCN(N=CC(C)C)C(=O)c1ccccc1
Mol. weight [g/mol]: 218.29

Physical Properties

Property code	Value	Unit	Source
hf	-43.23	kJ/mol	Joback Method
hvap	58.52	kJ/mol	Joback Method
log10ws	-3.20		Crippen Method
logp	2.790		Crippen Method
mcvol	187.500	ml/mol	McGowan Method
pc	2121.68	kPa	Joback Method
rinpol	1666.00		NIST Webbook
tb	666.07	K	Joback Method
tc	886.77	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=R323181&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