Acetone, isopropylhydrazone, N-benzoyl

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

Physical Properties

Property code	Value	Unit	Source
hf	-53.02	kJ/mol	Joback Method
hvap	58.60	kJ/mol	Joback Method
log10ws	-3.56		Crippen Method
logp	2.933		Crippen Method
mcvol	187.500	ml/mol	McGowan Method
pc	2131.49	kPa	Joback Method
rinpol	1579.00		NIST Webbook
tb	665.95	K	Joback Method
tc	890.30	K	Joback Method

Sources

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=R323072&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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