Cyclobutanone, 2,2,4,4-tetramethyl-3-phenylimino-

Inchi: InChI=1S/C14H17NO/c1-13(2)11(14(3,4)12(13)16)15-10-8-6-5-7-9-10/h5-9H,1-4H3
InchiKey: OIARWRGTJLHSAH-UHFFFAOYSA-N
Formula: C14H17NO
SMILES: CC1(C)C(=O)C(C)(C)C1=Nc1ccccc1
Mol. weight [g/mol]: 215.29
CAS: 1445-29-0

Physical Properties

Property code	Value	Unit	Source
hf	-115.65	kJ/mol	Joback Method
hvap	54.90	kJ/mol	Joback Method
log10ws	-3.24		Crippen Method
logp	3.394		Crippen Method
mcvol	180.750	ml/mol	McGowan Method
pc	2241.88	kPa	Joback Method
tb	700.20	K	Joback Method
tc	958.85	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=C1445290&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature