Methanone, diphenyl-, hydrazone

Other names:	Benzophenone, hydrazone
	Benzophenoneimine N-amino-
Inchi:	InChI=1S/C13H12N2/c14-15-13(11-7-3-1-4-8-11)12-9-5-2-6-10-12/h1-10H,14H2
InchiKey:	QYCSNMDOZNUZIT-UHFFFAOYSA-N
Formula:	C13H12N2
SMILES:	NN=C(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	196.25
CAS:	5350-57-2

Physical Properties

Property code	Value	Unit	Source
hf	267.63	kJ/mol	Joback Method
hvap	63.12	kJ/mol	Joback Method
log10ws	-3.26		Crippen Method
logp	2.398		Crippen Method
mcvol	162.170	ml/mol	McGowan Method
pc	2931.34	kPa	Joback Method
tb	699.29	K	Joback Method
tc	970.62	K	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	500.70	K	7.30	NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5350572&Units=SI
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

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
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature