Salicylidene o-toluic hydrazone

Inchi:	InChI=1S/C15H14N2O2/c1-11-6-2-4-8-13(11)15(19)17-16-10-12-7-3-5-9-14(12)18/h2-10
InchiKey:	RRDKSNZDBMQWIG-UHFFFAOYSA-N
Formula:	C15H14N2O2
SMILES:	Cc1ccccc1C(=O)NN=Cc1ccccc1O
Mol. weight [g/mol]:	254.28
CAS:	82859-72-1

Physical Properties

Property code	Value	Unit	Source
hf	-45.54	kJ/mol	Joback Method
hvap	83.71	kJ/mol	Joback Method
log10ws	-3.71		Crippen Method
logp	2.465		Crippen Method
mcvol	197.790	ml/mol	McGowan Method
pc	2796.51	kPa	Joback Method
tb	862.28	K	Joback Method
tc	1119.44	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C82859721&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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

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