p-Anisaldehyde phenylhydrazone

Other names:	Benzaldehyde, 4-methoxy-, phenylhydrazone
	4-Methoxybenzaldehyde phenylhydrazone
	Anisoldehyde phenylhydrazone
	N-Phenyl-N'-(4-methoxybenzylidene)hydrazine
Inchi:	InChI=1S/C14H14N2O/c1-17-14-9-7-12(8-10-14)11-15-16-13-5-3-2-4-6-13/h2-11,16H,1H
InchiKey:	IZUQZLGWRCYWCB-UHFFFAOYSA-N
Formula:	C14H14N2O
SMILES:	COc1ccc(C=NNc2ccccc2)cc1
Mol. weight [g/mol]:	226.27
CAS:	622-73-1

Physical Properties

Property code	Value	Unit	Source
chs	-7398.10	kJ/mol	NIST Webbook
hf	132.77	kJ/mol	Joback Method
hfs	-161.00	kJ/mol	NIST Webbook
hfs	-111.80	kJ/mol	NIST Webbook
hvap	64.13	kJ/mol	Joback Method
log10ws	-3.47		Crippen Method
logp	3.141		Crippen Method
mcvol	182.130	ml/mol	McGowan Method
pc	2441.06	kPa	Joback Method
tb	727.33	K	Joback Method
tc	975.60	K	Joback Method

Sources

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=C622731&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

chs:	Standard solid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase 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