P-hydroxybenzaldehyde p-chlorophenyl hydrazone

Inchi: InChI=1S/C13H11ClN2O/c14-11-3-5-12(6-4-11)16-15-9-10-1-7-13(17)8-2-10/h1-9,16-17

InchiKey: IAHKXAVTOYEEQM-OQLLNIDSSA-N

Formula: C13H11ClN2O

SMILES: Oc1ccc(C=NNc2ccc(Cl)cc2)cc1

Mol. weight [g/mol]: 246.69

CAS: 116465-70-4

Physical Properties

Property code	Value	Unit	Source
hf	92.58	kJ/mol	Joback Method
hvap	76.90	kJ/mol	Joback Method
log10ws	-3.58		Crippen Method
logp	3.492		Crippen Method
mcvol	180.280	ml/mol	McGowan Method
pc	3089.85	kPa	Joback Method
tb	800.08	K	Joback Method
tc	1065.92	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=C116465704&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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