

P-chlorobenzaldehyde p-chlorophenyl hydrazone

Inchi: InChI=1S/C13H10Cl2N2/c14-11-3-1-10(2-4-11)9-16-17-13-7-5-12(15)6-8-13/h1-9,17H/b
InchiKey: UCKZZIKEQLSXJR-CXUHLZMHSА-N
Formula: C13H10Cl2N2
SMILES: Clc1ccc(C=NNc2ccc(Cl)cc2)cc1
Mol. weight [g/mol]: 265.14
CAS: 3101-04-0

Physical Properties

Property code	Value	Unit	Source
hf	242.68	kJ/mol	Joback Method
hvap	68.93	kJ/mol	Joback Method
log10ws	-4.72		Crippen Method
logp	4.439		Crippen Method
mvol	186.650	ml/mol	McGowan Method
pc	2500.00	kPa	Joback Method
tb	761.87	K	Joback Method
tc	1024.74	K	Joback Method

Sources

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=C3101040&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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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