2-Methyl-4-chloro-4'-methoxyazobenzene

Inchi: InChI=1S/C14H13ClN2O/c1-10-9-11(15)3-8-14(10)17-16-12-4-6-13(18-2)7-5-12/h3-9H,1
InchiKey: RERIIFMSVZFXII-WUKNDPDISA-N
Formula: C14H13ClN2O
SMILES: COc1ccc(N=Nc2ccc(Cl)cc2C)cc1
Mol. weight [g/mol]: 260.72
CAS: 88578-24-9

Physical Properties

Property code	Value	Unit	Source
hf	5.62	kJ/mol	Joback Method
hvap	66.76	kJ/mol	Joback Method
log10ws	-4.79		Crippen Method
logp	5.072		Crippen Method
mcvol	194.370	ml/mol	McGowan Method
pc	1956.14	kPa	Joback Method
tb	797.07	K	Joback Method
tc	1054.68	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=C88578249&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