2-Methyl-3',4-dichloro-4'-benzyloxyazobezene

Inchi: InChI=1S/C20H16Cl2N2O/c1-14-11-16(21)7-9-19(14)24-23-17-8-10-20(18(22)12-17)25-1
InchiKey: UEPPFQUSPIHVAL-WCWDXBQESA-N
Formula: C20H16Cl2N2O
SMILES: Cc1cc(Cl)ccc1N=Nc1ccc(OCc2ccccc2)c(Cl)c1
Mol. weight [g/mol]: 371.26
CAS: 88578-29-4

Physical Properties

Property code	Value	Unit	Source
hf	91.10	kJ/mol	Joback Method
hvap	87.44	kJ/mol	Joback Method
log10ws	-7.59		Crippen Method
logp	7.296		Crippen Method
mcvol	267.390	ml/mol	McGowan Method
pc	1528.27	kPa	Joback Method
tb	1003.44	K	Joback Method
tc	1273.77	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C88578294&Units=SI

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