Bis(p-chlorobenzylidene)ethylene diamine

Other names: N,N'-[4-Chlorobenzal]-1,2-diaminoethane
1,2-Ethanediamine, N,N'-bis(4-chlorobenzylidene)-
Inchi: InChI=1S/C16H14Cl2N2/c17-15-5-1-13(2-6-15)11-19-9-10-20-12-14-3-7-16(18)8-4-14/h1
InchiKey: VMWYCJFPSDIEJB-UHFFFAOYSA-N
Formula: C16H14Cl2N2
SMILES: Clc1ccc(C=NCCN=Cc2ccc(Cl)cc2)cc1
Mol. weight [g/mol]: 305.20
CAS: 60434-95-9

Physical Properties

Property code	Value	Unit	Source
hf	209.51	kJ/mol	Joback Method
hvap	72.48	kJ/mol	Joback Method
log10ws	-4.63		Crippen Method
logp	4.531		Crippen Method
mcvol	224.620	ml/mol	McGowan Method
pc	1727.46	kPa	Joback Method
tb	857.02	K	Joback Method
tc	1117.97	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=C60434959&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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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