p-n-Hexyloxybenzylideneamino-p'-chlorobenzene

Inchi: InChI=1S/C19H22ClNO/c1-2-3-4-5-14-22-19-12-6-16(7-13-19)15-21-18-10-8-17(20)9-11
InchiKey: ZUJZHURHZZZPOC-UHFFFAOYSA-N
Formula: C19H22ClNO
SMILES: CCCCCCOc1ccc(C=Nc2ccc(Cl)cc2)cc1
Mol. weight [g/mol]: 315.84
CAS: 5219-48-7

Physical Properties

Property code	Value	Unit	Source
hf	-51.11	kJ/mol	Joback Method
hvap	73.87	kJ/mol	Joback Method
log10ws	-6.24		Crippen Method
logp	6.050		Crippen Method
mcvol	254.840	ml/mol	McGowan Method
pc	1515.21	kPa	Joback Method
ss	447.58	J/mol×K	NIST Webbook
tb	833.97	K	Joback Method
tc	1065.87	K	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	434.94	J/mol×K	298.15	NIST Webbook
cps	430.00	J/mol×K	300.00	NIST Webbook
hfust	10.88	kJ/mol	327.70	NIST Webbook
hfust	10.88	kJ/mol	327.70	NIST Webbook
sfust	33.20	J/mol×K	327.70	NIST Webbook
sfust	33.20	J/mol×K	327.70	NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5219487&Units=SI
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

Legend

cps:	Solid phase heat capacity
hf:	Enthalpy of formation at standard conditions
hfust:	Enthalpy of fusion at a given temperature
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
sfust:	Entropy of fusion at a given temperature
ss:	Solid phase molar entropy at standard conditions
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature