p-chlorobenzylidene-octyl-amine

Inchi: InChI=1S/C15H22ClN/c1-2-3-4-5-6-7-12-17-13-14-8-10-15(16)11-9-14/h8-11,13H,2-7,12
InchiKey: QROONYFJEIALAD-GHRIWEEISA-N
Formula: C15H22ClN
SMILES: CCCCCCCCN=Cc1ccc(Cl)cc1
Mol. weight [g/mol]: 251.79

Physical Properties

Property code	Value	Unit	Source
hf	-61.39	kJ/mol	Joback Method
hvap	59.62	kJ/mol	Joback Method
log10ws	-5.16		Crippen Method
logp	5.119		Crippen Method
mcvol	216.370	ml/mol	McGowan Method
pc	1620.68	kPa	Joback Method
rinpol	1966.00		NIST Webbook
rinpol	1966.00		NIST Webbook
tb	688.37	K	Joback Method
tc	898.87	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=R159925&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature