N,N-Dimethyl-N'-octyl-p-chlorobenzamidine

Inchi: InChI=1S/C17H27ClN2/c1-4-5-6-7-8-9-14-19-17(20(2)3)15-10-12-16(18)13-11-15/h10-13
InchiKey: YLYQUBWSCNEYIU-HTXNQAPBSA-N
Formula: C17H27ClN2
SMILES: CCCCCCCCN=C(c1ccc(Cl)cc1)N(C)C
Mol. weight [g/mol]: 294.86

Physical Properties

Property code	Value	Unit	Source
hf	-44.93	kJ/mol	Joback Method
hvap	66.20	kJ/mol	Joback Method
log10ws	-5.06		Crippen Method
logp	5.009		Crippen Method
mcvol	254.530	ml/mol	McGowan Method
pc	1399.59	kPa	Joback Method
rinpol	2064.00		NIST Webbook
rinpol	2064.00		NIST Webbook
tb	746.45	K	Joback Method
tc	952.45	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=R159341&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature