N-methyl-m-chlorobenzylidenimine

Inchi: InChI=1S/C8H8ClN/c1-10-6-7-3-2-4-8(9)5-7/h2-6H,1H3/b10-6+
InchiKey: BTELTMOUGNRYRO-UXBLZVDNSA-N
Formula: C8H8ClN
SMILES: CN=Cc1cccc(Cl)c1
Mol. weight [g/mol]: 153.61
CAS: 90434-25-6

Physical Properties

Property code	Value	Unit	Source
hf	83.09	kJ/mol	Joback Method
hvap	44.04	kJ/mol	Joback Method
log10ws	-2.23		Crippen Method
logp	2.389		Crippen Method
mcvol	117.740	ml/mol	McGowan Method
pc	3045.68	kPa	Joback Method
tb	528.21	K	Joback Method
tc	767.11	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C90434256&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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