Benzamide, 3-chloro-N-ethyl-

Inchi: InChI=1S/C9H10ClNO/c1-2-11-9(12)7-4-3-5-8(10)6-7/h3-6H,2H2,1H3,(H,11,12)
InchiKey: FOUXUKUHVUPLEP-UHFFFAOYSA-N
Formula: C9H10ClNO
SMILES: CCN=C(O)c1cccc(Cl)c1
Mol. weight [g/mol]: 183.63

Physical Properties

Property code	Value	Unit	Source
hf	-99.57	kJ/mol	Joback Method
hvap	63.02	kJ/mol	Joback Method
log10ws	-2.46		Crippen Method
logp	2.665		Crippen Method
mcvol	137.700	ml/mol	McGowan Method
pc	3049.04	kPa	Joback Method
rinpol	1648.00		NIST Webbook
rinpol	1648.00		NIST Webbook
tb	643.15	K	Joback Method
tc	862.26	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U407972&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

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