Benzamide, 2-chloro-N-pentyl-

Inchi: InChI=1S/C12H16ClNO/c1-2-3-6-9-14-12(15)10-7-4-5-8-11(10)13/h4-5,7-8H,2-3,6,9H2,1
InchiKey: YLXJFDPUQQCZDP-UHFFFAOYSA-N
Formula: C12H16ClNO
SMILES: CCCCCN=C(O)c1ccccc1Cl
Mol. weight [g/mol]: 225.72

Physical Properties

Property code	Value	Unit	Source
hf	-161.49	kJ/mol	Joback Method
hvap	69.70	kJ/mol	Joback Method
log10ws	-3.72		Crippen Method
logp	3.835		Crippen Method
mcvol	179.970	ml/mol	McGowan Method
pc	2269.73	kPa	Joback Method
rinpol	1877.00		NIST Webbook
tb	711.79	K	Joback Method
tc	920.97	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=U407432&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