Cyclopropanecarboxamide, N-(3-chlorophenyl)-

Inchi: InChI=1S/C10H10ClNO/c11-8-2-1-3-9(6-8)12-10(13)7-4-5-7/h1-3,6-7H,4-5H2,(H,12,13)
InchiKey: QOGAQGLPMQVRTR-UHFFFAOYSA-N
Formula: C10H10ClNO
SMILES: O=C(Nc1cccc(Cl)c1)C1CC1
Mol. weight [g/mol]: 195.65

Physical Properties

Property code	Value	Unit	Source
gf	145.39	kJ/mol	Joback Method
hf	-26.72	kJ/mol	Joback Method
hfus	24.34	kJ/mol	Joback Method
hvap	58.27	kJ/mol	Joback Method
log10ws	-2.85		Crippen Method
logp	2.688		Crippen Method
mcvol	140.930	ml/mol	McGowan Method
pc	3488.88	kPa	Joback Method
rinpol	1782.00		NIST Webbook
tb	608.07	K	Joback Method
tc	844.37	K	Joback Method
tf	391.85	K	Joback Method
vc	0.534	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	333.95	J/mol×K	608.07	Joback Method
cpg	347.01	J/mol×K	647.45	Joback Method
cpg	359.04	J/mol×K	686.84	Joback Method
cpg	370.12	J/mol×K	726.22	Joback Method
cpg	380.34	J/mol×K	765.60	Joback Method
cpg	389.77	J/mol×K	804.99	Joback Method
cpg	398.49	J/mol×K	844.37	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U307187&Units=SI

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion 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
tf:	Normal melting (fusion) point
vc:	Critical Volume