Urea, [2-(3,4-dichlorophenyl)cyclopropyl]-

Inchi: InChI=1S/C10H10Cl2N2O/c11-7-2-1-5(3-8(7)12)6-4-9(6)14-10(13)15/h1-3,6,9H,4H2,(H3
InchiKey: GWQPVCXJLXMPJH-UHFFFAOYSA-N
Formula: C10H10Cl2N2O
SMILES: NC(=O)NC1CC1c1ccc(Cl)c(Cl)c1
Mol. weight [g/mol]: 245.10
CAS: 90793-41-2

Physical Properties

Property code	Value	Unit	Source
gf	182.57	kJ/mol	Joback Method
hf	-40.48	kJ/mol	Joback Method
hfus	34.41	kJ/mol	Joback Method
hvap	73.65	kJ/mol	Joback Method
log10ws	-3.83		Crippen Method
logp	2.518		Crippen Method
mcvol	163.150	ml/mol	McGowan Method
pc	3376.28	kPa	Joback Method
tb	718.34	K	Joback Method
tc	964.10	K	Joback Method
tf	513.31	K	Joback Method
vc	0.612	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	413.16	J/mol×K	718.34	Joback Method
cpg	424.56	J/mol×K	759.30	Joback Method
cpg	435.04	J/mol×K	800.26	Joback Method
cpg	444.68	J/mol×K	841.22	Joback Method
cpg	453.54	J/mol×K	882.18	Joback Method
cpg	461.72	J/mol×K	923.14	Joback Method
cpg	469.27	J/mol×K	964.10	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C90793412&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

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume