Cyclopropanecarboxylic acid, 3,4-dichlorophenyl ester

Inchi: InChI=1S/C10H8Cl2O2/c11-8-4-3-7(5-9(8)12)14-10(13)6-1-2-6/h3-6H,1-2H2

InchiKey: IPQDLGFOBIGXHR-UHFFFAOYSA-N

Formula: C10H8Cl2O2

SMILES: O=C(Oc1ccc(Cl)c(Cl)c1)C1CC1

Mol. weight [g/mol]: 231.07

Physical Properties

Property code	Value	Unit	Source
gf	-70.56	kJ/mol	Joback Method
hf	-239.62	kJ/mol	Joback Method
hfus	24.24	kJ/mol	Joback Method
hvap	59.29	kJ/mol	Joback Method
log10ws	-3.65		Crippen Method
logp	3.309		Crippen Method
mcvol	149.060	ml/mol	McGowan Method
pc	3173.97	kPa	Joback Method
rinpol	1634.00		NIST Webbook
tb	622.73	K	Joback Method
tc	861.84	K	Joback Method
tf	403.86	K	Joback Method
vc	0.567	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	333.58	J/mol×K	622.73	Joback Method
cpg	383.87	J/mol×K	821.99	Joback Method
cpg	375.36	J/mol×K	782.14	Joback Method
cpg	366.13	J/mol×K	742.29	Joback Method
cpg	356.12	J/mol×K	702.43	Joback Method
cpg	345.29	J/mol×K	662.58	Joback Method
cpg	391.71	J/mol×K	861.84	Joback Method
dvisc	0.0004879	Pa×s	622.73	Joback Method
dvisc	0.0005599	Pa×s	586.25	Joback Method

dvisc	0.0006544	Pa×s	549.77	Joback Method
dvisc	0.0007821	Pa×s	513.30	Joback Method
dvisc	0.0009604	Pa×s	476.82	Joback Method
dvisc	0.0012201	Pa×s	440.34	Joback Method
dvisc	0.0016187	Pa×s	403.86	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U307526&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

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
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