Cyclopropane, 1,1-dichloro-2-ethyl-3-phenyl

Inchi: InChI=1S/C11H12Cl2/c1-2-9-10(11(9,12)13)8-6-4-3-5-7-8/h3-7,9-10H,2H2,1H3
InchiKey: ZTOCQINNQWUTAA-UHFFFAOYSA-N
Formula: C11H12Cl2
SMILES: CCC1C(c2ccccc2)C1(Cl)Cl
Mol. weight [g/mol]: 215.12

Physical Properties

Property code	Value	Unit	Source
gf	170.13	kJ/mol	Joback Method
hf	-17.96	kJ/mol	Joback Method
hfus	20.66	kJ/mol	Joback Method
hvap	49.27	kJ/mol	Joback Method
log10ws	-4.06		Crippen Method
logp	3.984		Crippen Method
mcvol	155.710	ml/mol	McGowan Method
pc	2746.90	kPa	Joback Method
rinpol	1401.00		NIST Webbook
rinpol	1401.00		NIST Webbook
ripol	1882.00		NIST Webbook
tb	550.26	K	Joback Method
tc	788.27	K	Joback Method
tf	333.35	K	Joback Method
vc	0.595	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	345.91	J/mol×K	550.26	Joback Method
cpg	361.61	J/mol×K	589.93	Joback Method
cpg	376.07	J/mol×K	629.60	Joback Method
cpg	389.46	J/mol×K	669.27	Joback Method
cpg	401.98	J/mol×K	708.94	Joback Method
cpg	413.82	J/mol×K	748.60	Joback Method
cpg	425.17	J/mol×K	788.27	Joback Method

Sources

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=R122077&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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