Cyclopropane, 1,1-dichloro-2-(2-phenylethyl)

Inchi: InChI=1S/C11H12Cl2/c12-11(13)8-10(11)7-6-9-4-2-1-3-5-9/h1-5,10H,6-8H2
InchiKey: DCXFCFKVBBHSQD-UHFFFAOYSA-N
Formula: C11H12Cl2
SMILES: ClC1(Cl)CC1CCc1ccccc1
Mol. weight [g/mol]: 215.12

Physical Properties

Property code	Value	Unit	Source
gf	177.84	kJ/mol	Joback Method
hf	2.38	kJ/mol	Joback Method
hfus	19.59	kJ/mol	Joback Method
hvap	49.58	kJ/mol	Joback Method
log10ws	-4.10		Crippen Method
logp	3.813		Crippen Method
mcvol	155.710	ml/mol	McGowan Method
pc	2844.44	kPa	Joback Method
rinpol	1458.00		NIST Webbook
rinpol	1458.00		NIST Webbook
ripol	1975.00		NIST Webbook
ripol	1975.00		NIST Webbook
tb	554.93	K	Joback Method
tc	792.94	K	Joback Method
tf	337.59	K	Joback Method
vc	0.596	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	344.35	J/mol×K	554.93	Joback Method
cpg	359.52	J/mol×K	594.60	Joback Method
cpg	373.46	J/mol×K	634.27	Joback Method
cpg	386.35	J/mol×K	673.93	Joback Method
cpg	398.40	J/mol×K	713.60	Joback Method
cpg	409.81	J/mol×K	753.27	Joback Method

cpg	420.77	J/mol×K	792.94	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=R121970&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume