Benzene, 1,1'-ethenylidenebis[4-chloro-

Other names:	Ethylene, 1,1-bis(p-chlorophenyl)-
	Unsym-Bis(p-chlorophenyl)ethylene
	DDNU
	DMC Ethylene
	1,1-Bis(p-Chlorophenyl)ethene
	1,1-Bis(p-chlorophenyl)ethylene
	1,1-Bis(4-chlorophenyl)ethylene
	Benzene, 1,1'-ethenylidenebis*4-chloro-
Inchi:	InChI=1S/C14H10Cl2/c1-10(11-2-6-13(15)7-3-11)12-4-8-14(16)9-5-12/h2-9H,1H2
InchiKey:	IEAUXBMXWDAYID-UHFFFAOYSA-N
Formula:	C14H10Cl2
SMILES:	C=C(c1ccc(Cl)cc1)c1ccc(Cl)cc1
Mol. weight [g/mol]:	249.13
CAS:	2642-81-1

Physical Properties

Property code	Value	Unit	Source
gf	327.99	kJ/mol	Joback Method
hf	201.99	kJ/mol	Joback Method
hfus	25.12	kJ/mol	Joback Method
hvap	60.81	kJ/mol	Joback Method
log10ws	-5.38		Crippen Method
logp	5.055		Crippen Method
mcvol	180.780	ml/mol	McGowan Method
pc	2611.07	kPa	Joback Method
rinpol	1972.00		NIST Webbook
rinpol	1972.00		NIST Webbook
tb	654.46	K	Joback Method
tc	912.60	K	Joback Method
tf	369.54	K	Joback Method
vc	0.683	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	402.31	J/mol×K	654.46	Joback Method
cpg	416.35	J/mol×K	697.48	Joback Method
cpg	429.19	J/mol×K	740.51	Joback Method
cpg	440.91	J/mol×K	783.53	Joback Method
cpg	451.60	J/mol×K	826.55	Joback Method
cpg	461.37	J/mol×K	869.57	Joback Method
cpg	470.30	J/mol×K	912.60	Joback Method

Sources

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=C2642811&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

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