Bicyclo[2.2.1]hept-2-ene, 1,2,3,4,5,7,7-heptachloro-

Other names: 2-Norbornene, 1,2,3,4,5,7,7-heptachloro-
Inchi: InChI=1S/C7H3Cl7/c8-2-1-5(11)3(9)4(10)6(2,12)7(5,13)14/h2H,1H2
InchiKey: FCMVPUGRXPEIQX-UHFFFAOYSA-N
Formula: C7H3Cl7
SMILES: ClC1=C(Cl)C2(Cl)C(Cl)CC1(Cl)C2(Cl)Cl
Mol. weight [g/mol]: 335.27
CAS: 5202-36-8

Physical Properties

Property code	Value	Unit	Source
gf	12.76	kJ/mol	Joback Method
hf	-118.67	kJ/mol	Joback Method
hfus	21.13	kJ/mol	Joback Method
hvap	59.41	kJ/mol	Joback Method
log10ws	-5.40		Crippen Method
logp	4.829		Crippen Method
mcvol	169.150	ml/mol	McGowan Method
pc	3124.49	kPa	Joback Method
tb	639.82	K	Joback Method
tc	917.48	K	Joback Method
tf	499.47	K	Joback Method
vc	0.654	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	311.66	J/mol×K	639.82	Joback Method
cpg	318.12	J/mol×K	686.10	Joback Method
cpg	324.67	J/mol×K	732.37	Joback Method
cpg	331.97	J/mol×K	778.65	Joback Method
cpg	340.66	J/mol×K	824.93	Joback Method
cpg	351.40	J/mol×K	871.20	Joback Method
cpg	364.84	J/mol×K	917.48	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=C5202368&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume