2-endo,3-exo,5-endo,6-exo,8b,9c,10a-heptachloro

Inchi: InChI=1S/C10H11Cl7/c11-1-9(2-12)4-5(14)7(16)10(9,3-13)8(17)6(4)15/h4-8H,1-3H2/t4?,
InchiKey: LQZCWWYZXXZBKE-UUNWVVFUSA-N
Formula: C10H11Cl7
SMILES: ClCC1(CCl)C2C(Cl)C(Cl)C1(CCl)C(Cl)C2Cl
Mol. weight [g/mol]: 379.37

Physical Properties

Property code	Value	Unit	Source
gf	9.68	kJ/mol	Joback Method
hf	-291.69	kJ/mol	Joback Method
hfus	37.96	kJ/mol	Joback Method
hvap	64.70	kJ/mol	Joback Method
log10ws	-4.59		Crippen Method
logp	4.749		Crippen Method
mcvol	215.720	ml/mol	McGowan Method
pc	2016.32	kPa	Joback Method
rinpol	2190.20		NIST Webbook
tb	685.09	K	Joback Method
tc	929.85	K	Joback Method
tf	470.86	K	Joback Method
vc	0.836	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	492.98	J/mol×K	685.09	Joback Method
cpg	506.36	J/mol×K	725.88	Joback Method
cpg	519.36	J/mol×K	766.68	Joback Method
cpg	532.30	J/mol×K	807.47	Joback Method
cpg	545.50	J/mol×K	848.26	Joback Method
cpg	559.29	J/mol×K	889.06	Joback Method
cpg	573.99	J/mol×K	929.85	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R502537&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

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