1,3,5-Trimethyl-2-(1-methylethyl)-4,6-bis(chlorome

Inchi: InChI=1S/C14H20Cl2/c1-8(2)14-10(4)12(6-15)9(3)13(7-16)11(14)5/h8H,6-7H2,1-5H3
InchiKey: UMPICIIHABYNKI-UHFFFAOYSA-N
Formula: C14H20Cl2
SMILES: Cc1c(CCl)c(C)c(C(C)C)c(C)c1CCl
Mol. weight [g/mol]: 259.21

Physical Properties

Property code	Value	Unit	Source
gf	104.96	kJ/mol	Joback Method
hf	-189.87	kJ/mol	Joback Method
hfus	28.98	kJ/mol	Joback Method
hvap	60.73	kJ/mol	Joback Method
log10ws	-6.15		Crippen Method
logp	5.213		Crippen Method
mcvol	208.840	ml/mol	McGowan Method
pc	1777.34	kPa	Joback Method
rinpol	1966.00		NIST Webbook
rinpol	1966.00		NIST Webbook
tb	645.72	K	Joback Method
tc	856.61	K	Joback Method
tf	381.40	K	Joback Method
vc	0.803	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	503.40	J/mol×K	645.72	Joback Method
cpg	518.89	J/mol×K	680.87	Joback Method
cpg	533.57	J/mol×K	716.02	Joback Method
cpg	547.46	J/mol×K	751.17	Joback Method
cpg	560.59	J/mol×K	786.32	Joback Method
cpg	572.97	J/mol×K	821.46	Joback Method
cpg	584.61	J/mol×K	856.61	Joback Method
dvisc	0.0009850	Pa×s	381.40	Joback Method

dvisc	0.0006065	Pa×s	425.45	Joback Method
dvisc	0.0004090	Pa×s	469.51	Joback Method
dvisc	0.0002951	Pa×s	513.56	Joback Method
dvisc	0.0002242	Pa×s	557.61	Joback Method
dvisc	0.0001773	Pa×s	601.67	Joback Method
dvisc	0.0001448	Pa×s	645.72	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=R520248&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
dvisc:	Dynamic viscosity
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