Phenol, 4,4'-(1-methylethylidene)bis[2,6-dichloro-

Other names: Phenol, 4,4'-isopropylidenebis[2,6-dichloro-
Tetrachlorobisphenol A
Tetrachlorodian
2,2-Bis(3,5-dichloro-4-hydroxyphenyl)propane
2,2-Bis(4-hydroxy-3,5-dichlorophenyl)propane
2,2-Bis[3,5-dichloro-4-oxyphenyl]propane
2,2',6,6'-Tetrachlorobisphenol A
3,3',5,5'-Tetrachlorobisphenol A
3,5,3',5'-Tetrachlorobisphenol A
4,4'-Isopropylidenebis[2,6-dichlorophenol]
4,4'-Isopropylidene-2,2',6,6'-tetrachlorodiphenol
Tetrachlordian
4,4'-(1-Methylethylidene)bis(2,6-dichlorophenol)
Phenol, 4,4'-(2,2-propanediyl) bis[2,6-dichloro]-
NSC 18248
2,2',6,6'-tetrachloro-4,4'-isopropylidenediphenol

Inchi: InChI=1S/C15H12Cl4O2/c1-15(2,7-3-9(16)13(20)10(17)4-7)8-5-11(18)14(21)12(19)6-8/h

InchiKey: KYPYTERUKNKOLP-UHFFFAOYSA-N

Formula: C15H12Cl4O2

SMILES: CC(C)(c1cc(Cl)c(O)c(Cl)c1)c1cc(Cl)c(O)c(Cl)c1

Mol. weight [g/mol]: 366.07

CAS: 79-95-8

Physical Properties

Property code	Value	Unit	Source
gf	-92.40	kJ/mol	Joback Method
hf	-352.08	kJ/mol	Joback Method
hfus	42.07	kJ/mol	Joback Method
hvap	98.46	kJ/mol	Joback Method
log10ws	-5.92		Crippen Method
logp	6.037		Crippen Method
mcvol	235.390	ml/mol	McGowan Method
pc	2808.38	kPa	Joback Method
tb	392.90 ± 0.60	K	NIST Webbook
tc	1195.55	K	Joback Method
tf	707.27	K	Joback Method
vc	0.776	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	603.37	J/mol×K	923.61	Joback Method
cpg	615.13	J/mol×K	968.93	Joback Method
cpg	627.23	J/mol×K	1014.26	Joback Method
cpg	639.92	J/mol×K	1059.58	Joback Method
cpg	653.49	J/mol×K	1104.91	Joback Method
cpg	668.22	J/mol×K	1150.23	Joback Method
cpg	684.38	J/mol×K	1195.55	Joback Method
dvisc	0.0000019	Pa×s	707.27	Joback Method
dvisc	0.0000011	Pa×s	743.33	Joback Method
dvisc	0.0000007	Pa×s	779.38	Joback Method
dvisc	0.0000005	Pa×s	815.44	Joback Method
dvisc	0.0000003	Pa×s	851.50	Joback Method
dvisc	0.0000002	Pa×s	887.55	Joback Method
dvisc	0.0000002	Pa×s	923.61	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=C79958&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume