Phenol], 2,2'-methylenebis[4-chloro-

Other names:

2,2'-Dihydroxy-5,5'-dichlorodiphenylmethane
2,2'-Methylenebis[4-chlorophenol]
4,4'-Dichloro-2,2'-methylenediphenol
4-chloro-2-[(5-chloro-2-hydroxyphenyl)methyl]phenol
5,5'-Dichloro-2,2'-dihydroxydiphenylmethane
Acticide DDM
Algafen
Algofen
Anthipen
Anthiphen
Antifen
Antiphen
Bis(2-hydroxy-5-chlorophenyl)methane
Bis(5-chlor-2-hydroxyphenyl)-methan
Bis(5-chloro-2-hydroxyphenyl)methane
Bis(chlorohydroxyphenyl)methane
Bis-2-hydroxy-5-chlorfenylmethan
Cordocel
DDDM
DDM
Di-(5-chloro-2-hydroxyphenyl)methane
Dicestal
Dichloorfeen
Dichlorofen
Dichlorofen (Czech)
Dichlorophen
Dichlorophen B
Dichlorophene
Dichlorophene 10
Dichlorphen
Didroxan
Didroxane
Difentan
Diphentane 70
Diphenthane 70
Embephen
Fungicide FX
Fungicide GM
Fungicide M
G 4

	G-4 Pure
	G-4 Technical
	GH
	Gefir
	Gingivit
	Giv Gard G 4-40
	Halenol
	Hyosan
	Korium
	Methanedichlorofen
	Nuophene
	O,O-Methyleen-bis-(4-chloorfenol)
	O,O-Metilen-bis(4-cloro-fenolo)
	Palacel
	Panacide
	Parabis
	Phenol, 2,2'-methylenebis[4-chloro-
	Plath-Lyse
	Prevental
	Preventol
	Preventol GD
	Preventol GDC
	Sandocide
	Super mosstox
	Taeniatol
	Teniathane
	Teniatol
	Teniotol
	Trivex
	Vermithana
	Wespuril
	Westpuril
Inchi:	InChI=1S/C13H10Cl2O2/c14-10-1-3-12(16)8(6-10)5-9-7-11(15)2-4-13(9)17/h1-4,6-7,16-1
InchiKey:	MDNWOSOZYLHTCG-UHFFFAOYSA-N
Formula:	C13H10Cl2O2
SMILES:	Oc1ccc(Cl)cc1Cc1cc(Cl)ccc1O
Mol. weight [g/mol]:	269.13

Physical Properties

Property code	Value	Unit	Source

hf	-208.92	kJ/mol	Cheméo Relay (1.0)
hfus	36.69	kJ/mol	Joback Method
hvap	120.70	kJ/mol	Cheméo Relay (1.0)
log10ws	-3.95		Aqueous Solubility Prediction Method
log10ws	-3.95		Estimated Solubility Method
logp	3.995		Crippen Method
mcvol	182.730	ml/mol	McGowan Method
tb	609.02	K	Cheméo Relay (1.0)
tf	446.98	K	Aqueous Solubility Prediction Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	460.57	J/mol×K	796.26	Joback Method
cpg	471.20	J/mol×K	840.64	Joback Method
cpg	481.50	J/mol×K	885.01	Joback Method
cpg	491.70	J/mol×K	929.39	Joback Method
cpg	502.01	J/mol×K	973.76	Joback Method
cpg	512.67	J/mol×K	1018.14	Joback Method
cpg	523.91	J/mol×K	1062.51	Joback Method
dvisc	0.0000123	Pa×s	597.43	Joback Method
dvisc	0.0000067	Pa×s	630.57	Joback Method
dvisc	0.0000039	Pa×s	663.71	Joback Method
dvisc	0.0000024	Pa×s	696.85	Joback Method
dvisc	0.0000015	Pa×s	729.98	Joback Method
dvisc	0.0000010	Pa×s	763.12	Joback Method
dvisc	0.0000007	Pa×s	796.26	Joback Method

Sources

Estimated Solubility Method: http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C97234&Units=SI

Joback Method: https://en.wikipedia.org/wiki/Joback_method

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Aqueous Solubility Prediction Method: http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
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
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point