Dichlorvos

Other names:

Dichlorphos
Phosphoric acid, 2,2-dichlorovinyl dimethyl ester
Phosphoric acid, 2,2-dichloroethenyl dimethyl ester
Atgard
Atgard V
Bibesol
Brevinyl
Brevinyl E-50
Canogard
Chlorvinphos
Dedevap
Dichlorman
Dichlorophos
Dimethyl dichlorovinyl phosphate
Dimethyl 2,2-dichloroethenyl phosphate
Dimethyl 2,2-dichlorovinyl phosphate
DDVP
Equigard
Equigel
Estrosel
ENT-20738
Fecama
Fekama
Mopari
Nerkol
Nogos
Nogos G
Nogos 50
Nuvan
Nuvan 100EC
OMS 14
Szklarniak
SD 1750
Task
TAP 9VP
Unifos
Vapona
Vapona Insecticide
Vaponite
Vinylophos

2,2-Dichloroethenyl dimethyl phosphate
2,2-Dichlorovinyl dimethyl phosphate
O-O-Dimethyl-O(2,2-dichlorovinyl)phosphate
(2,2-Dichlorovinyl)-dimethyl-fosfate
(2,2-Dichlor-vinyl)-dimethyl-phosphat
(2,2-Dichloro-vinil)dimetil-fosfato
O-(2,2-Dichlorvinyl)-O,O-dimethylphosphate
Atgard C
BAY-19149
Cekusan
Dichloorvo
Dichlorfos
Dichlorovas
Dichlorovos
Divipan
DDVF
DDVP (insecticide)
Ethenol, 2,2-dichloro-, dimethyl phosphate
Herkal
Herkol
Krecalvin
Lindanmafu
Marvex
NCI-C00113
O,O-Dimethyl dichlorovinyl phosphate
O,O-Dimethyl-O-(2,2-dichlor-vinyl)-phosphat
OKO
Phosphate de dimethyle et de 2,2-dichlorovinyle
Phosphate, 2-2-dichlorovinyl dimethyl
Phosvit
Tenac
Unifos (pesticide)
Vinyl alcohol, 2,2-dichloro-, dimethyl phosphate
Vinylofos
Winylophos
XLP 30
2,2-Dimethyldichlorovinyl phosphate
Apavap
Astrobot
Bayer 19149
Benfos
Cypona
Delevap

	Deriban
	Derriban
	Derribante
	Devikol
	Duravos
	Equigand
	Equiguard
	Estrosol
	Fly-die
	Fly fighter
	Insectigas D
	Mafu
	Mafu strip
	Nefrafos
	No-pest
	No-pest strip
	Nogos 50 EC
	Novotox
	Nuva
	Nuvan 7
	Panaplate
	Prentox
	Task tabs
	Tetravos
	UDVF
	Unifos 50 EC
	Vapora II
	Verdican
	Verdipor
	Verdisol
	Lindan
	Unitox
	Dichlorovinphos
	Prima U
	Dichlofos
	Nuvos
	Alatox
	Dihlorvos
	Dichlorvos (DDVP)
Inchi:	InChI=1S/C4H7Cl2O4P/c1-8-11(7,9-2)10-3-4(5)6/h3H,1-2H3
InchiKey:	OEBRKCOSUFCWJD-UHFFFAOYSA-N
Formula:	C4H7Cl2O4P
SMILES:	COP(=O)(OC)OC=C(Cl)Cl

Mol. weight [g/mol]: 220.98
CAS: 62-73-7

Physical Properties

Property code	Value	Unit	Source
hvap	68.00	kJ/mol	NIST Webbook
ie	9.40	eV	NIST Webbook
log10ws	-3.67		Crippen Method
logp	2.680		Crippen Method
mcvol	131.340	ml/mol	McGowan Method
rinpol	1232.00		NIST Webbook
rinpol	1221.00		NIST Webbook
rinpol	1263.00		NIST Webbook
rinpol	1247.00		NIST Webbook
rinpol	1220.00		NIST Webbook
rinpol	1244.00		NIST Webbook
rinpol	1260.00		NIST Webbook
rinpol	1200.00		NIST Webbook
rinpol	1258.00		NIST Webbook
rinpol	1245.00		NIST Webbook
rinpol	1247.00		NIST Webbook
rinpol	1214.00		NIST Webbook
rinpol	1232.00		NIST Webbook
rinpol	1247.00		NIST Webbook
rinpol	1242.00		NIST Webbook
rinpol	1249.00		NIST Webbook
ripol	1920.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C62737&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
ripol:	Polar retention indices

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