

Clofeninfos

Other names: Chlorfenvinphos
Phosphoric acid, 2-chloro-1-(2,4-dichlorophenyl)ethenyl diethyl ester
Phosphoric acid, 2-chloro-1-(2,4-dichlorophenyl)vinyl diethyl ester
Birlan
Birlane
Birlane 10G
Chlorfenvinfos
Chlorphenvinfos
Chlorphenvinphos
Compound 4072
CVP
Dermaton
Diethyl 1-(2,4-Dichlorophenyl)-2-chlorovinyl phosphate
Diethyl 2-chloro-1-(2,4-dichlorophenyl)vinyl phosphate
Enolofos
ENT 24969
GC 4072
OMS 1328
Sapecron
Sapecron 50EC
Shell 4072
Supona
Supone
SD 4072
SD 7859
Vinyphate
2-Chloro-1-(2,4-Dichlorophenyl)vinyl diethyl phosphate
2,4-Dichloro-«alpha»-(chloromethylene)benzyl diethyl phosphate
Apachlor
Benzyl alcohol, 2,4-dichloro-«alpha»-(chloromethylene)-, diethyl phosphate
C8949
CFV
CGA 26351
Chlofenvinphos
O-2-Chloor-1-(2,4-dichloor-fenil)-vinil-O,O-diethylfosfaat
O-2-Chlor-1-(2,4-dichlor-phenyl)-vinyl-O,O-diaethylphosphat
Chlorofenvinphos
O-2-Cloro-1-(2,4-dicloro-fenil)-vinil-O,O-dietilfosfato
O,O-Diaethyl-O-1-(4,5-dichlorphenyl)-2-chlor-vinyl-phosphat
O,O-Diethyl O-(2-chloro-1-(2',4'-dichlorophenyl)vinyl) phosphate

O,O-Dwuetyl-O-1-(2,4-dwuchlorofenyl)-2-chlorowinylofosforan
 Phosphate de O,O-diethyle et de O-2-chloro-1-(2,4-dichlorophenyl) vinyle
 Steladone
 Unitox
 Vinylphate
 Clofenvineosum
 Clofenvinphos
 Compd. 4072
 CVP (pesticide)
 O,O-Diethyl O-[1-(2,4-dichlorophenyl)-2-chlorovinyl] phosphate
 Chlorfenvinphos, alpha
 Chlorfenvinphos I
 Chlorfenvinphos II
 «beta»-CVP

Inchi: InChI=1S/C12H14Cl3O4P/c1-3-17-20(16,18-4-2)19-12(8-13)10-6-5-9(14)7-11(10)15/h5-8
InchiKey: FSAVDKDHPSCTO-XYOKQWHBSA-N
Formula: C12H14Cl3O4P
SMILES: CCOP(=O)(OCC)OC(=CCl)c1ccc(Cl)cc1Cl
Mol. weight [g/mol]: 359.57
CAS: 470-90-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.01		Crippen Method
logp	5.728		Crippen Method
mcvol	232.540	ml/mol	McGowan Method
rinpol	2023.00		NIST Webbook
rinpol	2053.00		NIST Webbook
rinpol	2064.00		NIST Webbook
rinpol	2059.00		NIST Webbook
rinpol	2042.00		NIST Webbook
rinpol	2030.00		NIST Webbook
rinpol	2015.00		NIST Webbook
rinpol	2064.00		NIST Webbook
rinpol	2017.00		NIST Webbook
rinpol	2053.00		NIST Webbook
rinpol	2064.00		NIST Webbook
ripol	2977.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C470906&Units=SI

Legend

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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