Phosphoric acid, 2-bromo-1-(2,4-dichlorophenyl)vinyl diethyl ester

Othernames:	Bromfenvinfos
	Bromfenvinphos
	Bromfenwinfos
	Bromphenvinphos
	O-1-(2,4-Dichlorophenyl)-2-bromovinyl O,O-diethyl phosphate
	O,O-Dwuetylo-O-1-(2,4-dwuchlorofenylo)-2-bromowinylofosforan
	IPO 62
	Ipofos
	Ipophos
	Phosphoric acid, 2-bromo-1-(2,4-dichlorophenyl)ethenyl diethyl ester
	SD 8989
	[2-Bromo-1-(2,4-dichlorophenyl)vinyl] diethyl phosphate
Inchi:	InChI=1S/C12H14BrCl2O4P/c1-3-17-20(16,18-4-2)19-12(8-13)10-6-5-9(14)7-11(10)15/h5
InchiKey:	ORDKAVSHIKNMAN-XYOKQWHBSA-N
Formula:	C12H14BrCl2O4P
SMILES:	CCOP(=O)(OCC)OC(=CBr)c1ccc(Cl)cc1Cl
Mol. weight [g/mol]:	404.02
CAS:	33399-00-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.29		Crippen Method
logp	5.884		Crippen Method
mcvol	237.800	ml/mol	McGowan Method
rinpol	2089.00		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=C33399007&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