[2-Bromo-1-(2,4-dichlorophenyl)vinyl] diethyl phosphate

Other names: 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/h

InchiKey: ORDKAVSHIKNMAN-XYOKQWHBSA-N

Formula: C12H14BrCl2O4P

SMILES: CCOP(=O)(OCC)O/C(=C/Br)c1ccc(Cl)cc1Cl

Mol. weight [g/mol]: 404.02

Physical Properties

Property code	Value	Unit	Source
logp	5.884		Crippen Method
mcvol	237.800	ml/mol	McGowan Method
rinpol	2089.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C33399007&Units=SI

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

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

Legend

logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices