

Tetrachlorvinphos

Other names:

Gardona
Stirofos
CVMP
Tetrachlorfenvinphos
2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate

Inchi: InChI=1S/C11H11Cl4O3P/c1-17-19(16,18-2)6-7(5-12)8-3-10(14)11(15)4-9(8)13/h3-5H,6**InchiKey:** WEIHGINBQYVDHP-UHFFFAOYSA-N**Formula:** C11H11Cl4O3P**SMILES:** COP(=O)(CC(=CCl)c1cc(Cl)c(Cl)cc1Cl)OC**Mol. weight [g/mol]:** 363.99**CAS:** 961-11-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.70		Crippen Method
logp	5.712		Crippen Method
mcvol	224.820	ml/mol	McGowan Method
rinpol	2088.00		NIST Webbook
rinpol	2112.00		NIST Webbook
rinpol	2087.00		NIST Webbook
rinpol	2142.00		NIST Webbook
rinpol	2114.00		NIST Webbook
rinpol	2084.00		NIST Webbook
rinpol	2111.00		NIST Webbook
rinpol	2121.00		NIST Webbook
rinpol	2085.00		NIST Webbook
rinpol	2080.00		NIST Webbook
rinpol	2121.00		NIST Webbook
rinpol	2114.00		NIST Webbook
rinpol	2125.00		NIST Webbook
rinpol	2088.00		NIST Webbook
rinpol	2112.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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=C961115&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

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