

2-Chlorophenyl bis(4-methylphenyl) phosphate

Inchi:	InChI=1S/C20H18ClO4P/c1-15-7-11-17(12-8-15)23-26(22,24-18-13-9-16(2)10-14-18)25-
InchiKey:	IFTVZEDOZLANCD-UHFFFAOYSA-N
Formula:	C20H18ClO4P
SMILES:	Cc1ccc(OP(=O)(Oc2ccc(C)cc2)Oc2ccccc2Cl)cc1
Mol. weight [g/mol]:	388.78
CAS:	116402-10-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.77		Crippen Method
logp	6.602		Crippen Method
mvol	277.560	ml/mol	McGowan Method

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=C116402109&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mvol:	McGowan's characteristic volume

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