Pyrifenox

Other names:	Ethanone, 1-(2,4-dichlorophenyl)-2-(3-pyridinyl)-, O-methyloxime
	1-(2,4-Dichlorophenyl)-2-(3-pyridinyl)ethanone O-methyloxime
	Dorado
	2',4'-Dichloro-2-(3-pyridyl)acetophenone O-methyloxime
	Ro 15-1297
Inchi:	InChI=1S/C14H12Cl2N2O/c1-19-18-14(7-10-3-2-6-17-9-10)12-5-4-11(15)8-13(12)16/h2-
InchiKey:	CKPCAYZTYMHQEX-UHFFFAOYSA-N
Formula:	C14H12Cl2N2O
SMILES:	CON=C(Cc1cccnc1)c1ccc(Cl)cc1Cl
Mol. weight [g/mol]:	295.16
CAS:	88283-41-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.79		Crippen Method
logp	3.982		Crippen Method
mcvol	206.610	ml/mol	McGowan Method

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=C88283414&Units=SI

Legend

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