

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

Latest version available from:

<https://www.chemeo.com/cid/44-381-0/Pyrifenox.pdf>

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