

Pyriproxyfen

Other names:

Pyridine, 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]-
pyriproxifen

2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine

Inchi:

InChI=1S/C20H19NO3/c1-16(23-20-9-5-6-14-21-20)15-22-17-10-12-19(13-11-17)24-18-7

InchiKey:

NHDHVVHZZCFYRSB-UHFFFAOYSA-N

Formula:

C₂₀H₁₉NO₃

SMILES:

CC(COc1ccc(Oc2ccccc2)cc1)Oc1ccccn1

Mol. weight [g/mol]:

321.37

CAS:

95737-68-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.29		Crippen Method
logp	4.720		Crippen Method
mcvol	248.970	ml/mol	McGowan Method
rinpol	2574.00		NIST Webbook

Sources

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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=C95737681&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

Latest version available from:

<https://www.chemeo.com/cid/98-174-1/Pyriproxyfen.pdf>

Generated by Cheméo on 2024-04-28 00:34:58.80225248 +0000 UTC m=+16553747.722829792.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.