

Prochloraz

Other names:

1H-Imidazole-1-carboxamide, N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-
Ascurit
BTS 40542
Mirage
N-Propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidazole-1-carboxamide
Octave
Omega
Prelude
Sporgon
Sportak
BTS 40542-7877
DMI
KI 835
Mirage (pesticide)
cyproconazole

Inchi:

InChI=1S/C15H16Cl3N3O2/c1-2-4-20(15(22)21-5-3-19-10-21)6-7-23-14-12(17)8-11(16)9

InchiKey:

TVLSRXXIMLFWEO-UHFFFAOYSA-N

Formula:

C15H16Cl3N3O2

SMILES:

CCCN(CCOc1c(Cl)cc(Cl)cc1Cl)C(=O)n1ccnc1

Mol. weight [g/mol]:

376.67

CAS:

67747-09-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.51		Crippen Method
logp	4.602		Crippen Method
mcvol	253.090	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=C67747095&Units=SI>

Crippen Method:

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

Legend

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

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