

# Imazalil

## Other names:

Enilconazole  
1H-Imidazole, 1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl]-  
(.+/.)-1-(«beta»-(Allyloxy)-2,4-dichlorophenethyl)imidazole  
Chloramizol  
Eniloconazol (SP)  
1-(2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl)-1H-imidazole  
1-(2-(2,4-Dichlorphenyl)-2-(2-propenyloxy)aethyl)-1H-imidazol  
Fungaflo  
R 23979  
1H-Imidazole, 1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl]-, (.+/.)-  
(.+/.)-1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole  
Bromazil  
Clinafarm  
Deccozil  
Florasan  
Fungazil  
Imaverol  
Magnate  
(.+/.)-Imazalil  
CGA 41333  
Deccozil S 75  
1-[2-(allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole  
1-[2-(2,4-Dichlorophenyl)-2-(propenyloxy)ethyl]-1H-imidazole

**Inchi:** InChI=1S/C14H14Cl2N2O/c1-2-7-19-14(9-18-6-5-17-10-18)12-4-3-11(15)8-13(12)16/h2-  
**InchiKey:** PZBPKYOVPCNPJY-UHFFFAOYSA-N  
**Formula:** C14H14Cl2N2O  
**SMILES:** C=CCOC(Cn1ccnc1)c1ccc(Cl)cc1Cl  
**Mol. weight [g/mol]:** 297.18  
**CAS:** 35554-44-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.14		Crippen Method
logp	4.134		Crippen Method
mccvol	210.910	ml/mol	McGowan Method
rmpol	2156.00		NIST Webbook

rinpol	2165.00		NIST Webbook
rinpol	2185.30		NIST Webbook
rinpol	2171.00		NIST Webbook
rinpol	2138.00		NIST Webbook
tf	323.38 ± 0.20	K	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	30.50	kJ/mol	322.60	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C35554440&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C35554440&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

<b>hfust:</b>	Enthalpy of fusion at a given temperature
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>rinpol:</b>	Non-polar retention indices
<b>tf:</b>	Normal melting (fusion) point

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