

Fenzaflor

Other names:	1H-Benzimidazole-1-carboxylic acid, 5,6-dichloro-2-(trifluoromethyl)-, phenyl ester 1-Benzimidazolecarboxylic acid, 5,6-dichloro-2-(trifluoromethyl)-, phenyl ester Fenoflurazole Lovozaal NC 5016 5,6-Dichloro-1-phenoxy-carbonyl-2-trifluoromethylbenzimidazole Phenyl 5,6-Dichloro-2-trifluoromethylbenzimidazole-1-carboxylate ENT 27438 Fenozaflor Fenzaflor Fisons NC 5016 NSC 191025 OMS 1243 Tarzol
Inchi:	InChI=1S/C15H7Cl2F3N2O2/c16-9-6-11-12(7-10(9)17)22(13(21-11)15(18,19)20)14(23)2
InchiKey:	ISVQSVPUDBVFFU-UHFFFAOYSA-N
Formula:	C15H7Cl2F3N2O2
SMILES:	O=C(Oc1ccccc1)n1c(C(F)(F)F)nc2cc(Cl)c(Cl)cc21
Mol. weight [g/mol]:	375.13
CAS:	14255-88-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.07		Crippen Method
logp	5.409		Crippen Method
mvol	216.720	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C14255880&Units=SI
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

Legend

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

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