Pirimicarb

Other names:	2-(Dimethylamino)-5,6-dimethyl-4-pyrimidinyldimethylcarbamate
	2-Dimethylamino-5,6-dimethylpyrimidin-4-yl dimethylcarbamate
	5,6-Dimethyl-2-dimethylamino-4-dimethylcarbamoyloxypyrimidine
	5,6-Dimethyl-2-dimethylamino-4-pyrimidinyldimethylcarbamate
	Abol
	Aficida
	Aphox
	Carbamic acid, dimethyl-, 2-(dimethylamino)-5,6-dimethyl-4-pyrimidinyl ester
	Carbamic acid, dimethyl-, 2-(dimethylamino)-5,6-dimethyl-4-pyrimidyl ester
	Dimethylcarbamic acid 2-(dimethylamino)-5,6-dimethyl-4-pyrimidinyl ester
	ENT-27766
	Fernos
	OMS 1330
	PP 062
	Pirimicarbe
	Pirimor
	Pirimor G
	Pirimor granulate
	Primicarbe
	Pyrimicarbe
	Pyrimor
	Rapid
Inchi:	InChI=1S/C11H18N4O2/c1-7-8(2)12-10(14(3)4)13-9(7)17-11(16)15(5)6/h1-6H3
InchiKey:	YFGYUFNIOHWBOB-UHFFFAOYSA-N
Formula:	C11H18N4O2
SMILES:	Cc1nc(N(C)C)nc(OC(=O)N(C)C)c1C
Mol. weight [g/mol]:	238.29
CAS:	23103-98-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.95		Estimated Solubility Method
log10ws	-1.95		Aqueous Solubility Prediction Method
logp	1.220		Crippen Method
mcvol	189.450	ml/mol	McGowan Method

rinpol	1813.00		NIST Webbook
rinpol	1837.00		NIST Webbook
rinpol	1816.00		NIST Webbook
rinpol	1836.00		NIST Webbook
rinpol	1840.00		NIST Webbook
rinpol	1839.00		NIST Webbook
rinpol	1837.00		NIST Webbook
rinpol	1866.00		NIST Webbook
rinpol	1796.00		NIST Webbook
rinpol	1836.00		NIST Webbook
rinpol	1837.00		NIST Webbook
rinpol	1816.00		NIST Webbook
rinpol	1839.00		NIST Webbook
rinpol	1816.00		NIST Webbook
rinpol	1810.00		NIST Webbook
rinpol	1807.00		NIST Webbook
rinpol	1796.00		NIST Webbook
tf	363.65	K	Aqueous Solubility Prediction Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C23103982&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Aqueous Solubility Prediction Method: http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa
Estimated Solubility Method: http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices
tf: Normal melting (fusion) point

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