Azamethiophos

Other names:	Phosphorothioic acid, S-[(6-chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O,O-dimethyl ester Azamethiophos Alfacron 10WP CGA 18809 OMS No 1825 Rubidor S-[(6-Chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O,O-dimethylphosphorothioate Snip Ciba-Geigy 18809 S-[(6-chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O,O-dimethyl thiophosphate
Inchi:	InChI=1S/C9H10ClN2O5PS/c1-15-18(14,16-2)19-5-12-8-7(17-9(12)13)3-6(10)4-11-8/h3-
InchiKey:	VNKBTWQZTQIWDV-UHFFFAOYSA-N
Formula:	C9H10ClN2O5PS
SMILES:	COP(=O)(OC)SCn1c(=O)oc2cc(Cl)cnc21
Mol. weight [g/mol]:	324.68

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.26		Cheméo Relay (1.0)
logp	2.735		Crippen Method
mcvol	197.110	ml/mol	McGowan Method
tf	355.99	K	Cheméo Relay (1.0)

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C35575963&Units=SI

Legend

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