Triazophos

Other names:	Phosphorothioic acid, O,O-diethyl O-(1-phenyl-1H-1,2,4-triazol-3-yl) ester
	Hostathion
	Hostation
	HOE 2960
	Triazofos
	Phosphorothioic acid, O,O-diethyl O-(1-phenyl-1,2,4-triazolyl) ester
	O,O-Diethyl O-(1-phenyl-1H-1,2,4-triazol-3-yl)phosphorothioate
	HOE 2960 OJ
	1-Phenyl-3-(O,O-diethyl-thionophosphoryl)-1,2,4-triazole
	1-Phenyl-1,2,4-triazolyl-3-(O,O-diethylthionophosphate)
	Triazofosz
	Trazophos
	Thiasophos
Inchi:	InChI=1S/C12H16N3O3PS/c1-3-16-19(20,17-4-2)18-12-13-10-15(14-12)11-8-6-5-7-9-11
InchiKey:	AMFGTOFWMRQMEM-UHFFFAOYSA-N
Formula:	C12H16N3O3PS
SMILES:	CCOP(=S)(OCC)Oc1ncn(-c2ccccc2)n1
Mol. weight [g/mol]:	313.31
CAS:	24017-47-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.46		Crippen Method
logp	2.944		Crippen Method
mcvol	221.080	ml/mol	McGowan Method
rinpol	2299.00		NIST Webbook
rinpol	2309.00		NIST Webbook
rinpol	2310.00		NIST Webbook
rinpol	2310.00		NIST Webbook
rinpol	2322.20		NIST Webbook
rinpol	2310.00		NIST Webbook
rinpol	2299.00		NIST Webbook
rinpol	2322.20		NIST Webbook

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C24017478&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices