

Diazinone

Other names:

Dimpylate
Phosphorothioic acid, O,O-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl]
ester
Phosphorothioic acid, O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) ester
Antigal
Basudin
Bazudin
Ciazinon
Dacutox
Dassitox
Diazinon AG 500
Dacid
Dimpylat
Exodin
ENT 19,507
Flytrol
G 301
G-24480
Galesan
Garden Tox
Neocidol
Sarolex
Spectracide
O,O-Diethyl-O-(2-isopropyl-4-methylpyrimidyl)thiophosphate
Alfa-Tox
AG-500
Basudin 10G
Bazuden
Dazzel
Diazajet
Diazide
Diazitol
Diazol
Diethyl 4-(2-isopropyl-6-methylpyrimidinyl)phosphorothionate
Ektoband
Geigy 24480
Isopropylmethylpyrimidyl diethyl thiophosphate
Nedcidol
Neocidol (oil)
Nucidol
NCI-C08673

O-2-Isopropyl-4-methylpyrimidyl-O,O-diethyl phosphorothioate
O,O-Diaethyl-O-(2-isopropyl-4-methyl-pyrimidin-6-yl)-monothiofosfaat
O,O-Diethyl O-(2-isopropyl-4-methyl-6-pyrimidinyl) phosphorothioate
O,O-Diethyl O-(2-isopropyl-4-methyl-6-pyrimidyl) phosphorothioate
O,O-Diethyl O-(2-isopropyl-4-methyl-6-pyrimidyl) thionophosphate
O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate
O,O-Diethyl O-6-methyl-2-isopropyl-4-pyrimidinyl phosphorothioate
O,O-Diethyl 2-isopropyl-4-methylpyrimidyl-6-thiophosphate
O,O-Diethyl-O-(2-isopropyl-4-methyl-pyrimidin-6-yl)-monothiofosfaat
Oleodiazinon
Phosphorothioate, O,O-diethyl O-6-(2-isopropyl-4-methylpyrimidyl)
Thiophosphate de O,O-diethyle et de O-2-isopropyl-4-methyl-6-pyrimidyle
4-Pyrimidinol, 2-isopropyl-6-methyl-, O-ester with O,O-diethyl phosphorothioate
O,O-Diethyl 2-isopropyl-6-methyl-4-pyrimidinylphosphorothioate
Basudin 5G
Diethyl 2-isopropyl-4-methyl-6-pyrimidinyl phosphorothionate
Spectracide 25EC
Knox-out
Meodinon
Bassadinon
Disonex
Phosphorothioic acid, O,O-diethyl 2-isopropyl-6-methyl-4-pyrimidinyl ester
Diagran
Dianon
Diaterr-fos
Dimpylatum
Diziktol
Dizinon
Drawizon
Dyzol
Fezudin
Kayazinon
Kayazol
Knox Out 2FM
Nipsan
O,O-Diethyl-O-(6-methyl-2-(1-methylethyl)-4-pyrimidinyl)phosphorothioate
Diazinon
ENT 19507
Basudin S
Bazanon
Compass
Diethyl 2-isopropyl-4-methyl-6-pyrimidyl thionophosphate
O,O-Diethyl-O-(2-isopropyl-4-methyl-6-pyrimidyl) thiophosphate

Inchi: Terminator
InchiKey: InChI=1S/C12H21N2O3PS/c1-6-15-18(19,16-7-2)17-11-8-10(5)13-12(14-11)9(3)4/h8-9H
Formula: FHIVAFMUCKRCQO-UHFFFAOYSA-N
SMILES: C12H21N2O3PS
SMILES: CCOP(=S)(OCC)Oc1cc(C)nc(C(C)C)n1
Mol. weight [g/mol]: 304.35
CAS: 65863-03-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.47		Crippen Method
logp	3.585		Crippen Method
mcvol	230.560	ml/mol	McGowan Method
rinpole	1766.00		NIST Webbook
ripole	2382.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C65863038&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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
rinpole: Non-polar retention indices
ripole: Polar retention indices

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