

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

Terminator

Inchi: 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
InchiKey: FHIVAFMUCKRCQO-UHFFFAOYSA-N
Formula: C12H21N2O3PS
SMILES: CCOP(=S)(OCC)Oc1cc(C)nc(C(C)C)n1
Mol. weight [g/mol]: 304.35
CAS: 333-41-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.47		Crippen Method
logp	3.585		Crippen Method
mcvol	230.560	ml/mol	McGowan Method
rinpol	1776.00		NIST Webbook
rinpol	1772.00		NIST Webbook
rinpol	1767.00		NIST Webbook
rinpol	1776.00		NIST Webbook
rinpol	1772.00		NIST Webbook
rinpol	1814.00		NIST Webbook
rinpol	1790.00		NIST Webbook
rinpol	1769.00		NIST Webbook
rinpol	1760.00		NIST Webbook
rinpol	1790.00		NIST Webbook
rinpol	1794.00		NIST Webbook
rinpol	1743.00		NIST Webbook
rinpol	1774.00		NIST Webbook
rinpol	1756.00		NIST Webbook
rinpol	1745.00		NIST Webbook
rinpol	1815.00		NIST Webbook
rinpol	1818.00		NIST Webbook
rinpol	1766.00		NIST Webbook
rinpol	1811.00		NIST Webbook
rinpol	1746.00		NIST Webbook
rinpol	1743.00		NIST Webbook
rinpol	1775.00		NIST Webbook
rinpol	1816.00		NIST Webbook
rinpol	1780.00		NIST Webbook
rinpol	1791.00		NIST Webbook
rinpol	1791.00		NIST Webbook
rinpol	1790.00		NIST Webbook

rinpol	1768.00	NIST Webbook
rinpol	1797.00	NIST Webbook
rinpol	1761.00	NIST Webbook
rinpol	1758.00	NIST Webbook
rinpol	1767.00	NIST Webbook
rinpol	1791.00	NIST Webbook
rinpol	1772.00	NIST Webbook
rinpol	1790.00	NIST Webbook
rinpol	1745.00	NIST Webbook
rinpol	1775.00	NIST Webbook
rinpol	1815.00	NIST Webbook
rinpol	1743.00	NIST Webbook
rinpol	1816.00	NIST Webbook
rinpol	1761.00	NIST Webbook
ripol	2401.00	NIST Webbook
ripol	2401.00	NIST Webbook
ripol	2382.00	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	87.40	kJ/mol	345.50	NIST Webbook

Sources

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=C333415&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

rinpol: Non-polar retention indices

ripol: Polar retention indices

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