

Menazon

Other names:	Phosphorodithioic acid, S-[(4,6-diamino-1,3,5-triazin-2-yl)methyl] O,O-dimethyl ester Phosphorodithioic acid, S-[(4,6-diamino-S-triazin-2-yl)methyl] O,O-dimethyl ester Azidithion PP.175 R 15,175 Sayfos Sayphos Syphos S-(4,6-Diamino-1,3,5-triazin-2-ylmethyl) O,O-dimethyl phosphorodithioate 2,4-Diamino-6-dimethoxyphosphinothionylthiomethyl-s-triazine S-((4,6-Diamino-1,3,5-triazin-2-yl)-methyl)-O,O-dimethyl-dithiofosfaat S-((4,6-Diamino-1,3,5-triazin-2-yl)-methyl)-O,O-dimethyl-dithiophosphat 4,6-Diamino-1,3,5-triazin-2-ylmethyl O,O-dimethyl phosphorodithioate S-(4,6-Diamino-1,3,5-triazin-2-ylmethyl) dimethyl phosphorothiolothionate S-((4,6-Diamino-1,3,5-triazin-2-yl)methyl)phosphorodithioic acid O,O-dimethyl ester 2-Dimethoxyphosphinothioylthiomethyl-4,6-diamino-s-triazine O,O-Dimethyl S-(4,6-diamino-1,3,5-triazinyl-2-methyl) dithiophosphate O,O-Dimethyl S-(4,6-diamino-1,3,5-triazin-2-yl)methyl phosphorodithioate O,O-Dimethyl S-(4,6-diamino-1,3,5-triazin-2-yl)methyl phosphorothiolothionate Dithiophosphate de O,O-dimethyle et de S-((4,6-diamino-1,3,5-triazine-2-yl)-methyle) ENT 25,760 PP175 Saiphos Saphicol Saphizon Saphizon-DP Saphos Sayfor s-Triazine-2-methanethiol, 4,6-diamino-, S-ester with O,O-dimethylphosphorodithioate O,O-Dimethyl S-(4,6-diamino-S-triazin-2-ylmethyl)phosphorodithioate Menaxon
Inchi:	InChI=1S/C6H12N5O2PS2/c1-12-14(15,13-2)16-3-4-9-5(7)11-6(8)10-4/h3H2,1-2H3,(H4,
InchiKey:	SUYHYHLFUHHVJQ-UHFFFAOYSA-N
Formula:	C6H12N5O2PS2
SMILES:	COP(=S)(OC)SCc1nc(N)nc(N)n1
Mol. weight [g/mol]:	281.30
CAS:	78-57-9

Physical Properties

Property code	Value	Unit	Source
log10ws	1.94		Crippen Method
logp	0.787		Crippen Method
mcvol	186.440	ml/mol	McGowan Method
rinpol	2370.00		NIST Webbook
rinpol	2375.00		NIST Webbook
rinpol	2375.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.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=C78579&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

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