

Phosphorothioic acid, O-(6-ethoxy-2-ethyl-4-pyrimidinyl)

O,O-dimethyl ester
Phosphorothioic acid, O,O-dimethyl O-(6-ethoxy-2-ethyl-4-pyrimidinyl) ester

Other names:

Etrimfos

Ekamet

Ekamet G

Ekamet ULV

ENT 29126

O-6-Ethoxy-2-ethylpyrimidin-4-yl O,O-dimethyl phosphorothioate

O-(6-Ethoxy-2-ethyl-4-pyrimidinyl) O,O-dimethyl phosphorothioate

OMS 1806

SAN 197 I

Satisfar

Dimethyl-O-(2-ethyl-4-ethoxy-pyrimidinyl-6)-thionophosphate

Etrimphos

SAN 197

SAN-I 197

2-Ethyl-6-ethoxypyrimidin-4-yl dimethyl phosphorothionate

Inchi: InChI=1S/C10H17N2O4PS/c1-5-8-11-9(15-6-2)7-10(12-8)16-17(18,13-3)14-4/h7H,5-6H2

InchiKey: FGIWFCCGDPUIBEZ-UHFFFAOYSA-N

Formula: C10H17N2O4PS

SMILES: CCOc1cc(OP(=S)(OC)OC)nc(CC)n1

Mol. weight [g/mol]: 292.29

CAS: 38260-54-7

Physical Properties

Property code	Value	Unit	Source
log10ws	0.69		Crippen Method
logp	2.334		Crippen Method
mcpol	208.250	ml/mol	McGowan Method
rinpol	1824.00		NIST Webbook
rinpol	1780.00		NIST Webbook
rinpol	1824.00		NIST Webbook
rinpol	1780.00		NIST Webbook
rinpol	1794.00		NIST Webbook
rinpol	1806.00		NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C38260547&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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