Hexaethylphosphoric triamide

Other names:	((C2H5)2N)3P=O
	OP(N(C2H5)2)3
Inchi:	InChI=1S/C12H30N3OP/c1-7-13(8-2)17(16,14(9-3)10-4)15(11-5)12-6/h7-12H2,1-6H3
InchiKey:	ROZPNEGZBIUWBX-UHFFFAOYSA-N
Formula:	C12H30N3OP
SMILES:	CCN(CC)P(=O)(N(CC)CC)N(CC)CC
Mol. weight [g/mol]:	263.36
CAS:	2622-07-3

Physical Properties

Property code	Value	Unit	Source
affp	974.70	kJ/mol	NIST Webbook
basg	942.20	kJ/mol	NIST Webbook
log10ws	-3.82		Crippen Method
logp	3.120		Crippen Method
mcvol	236.210	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2622073&Units=SI
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

Legend

affp:	Proton affinity
basg:	Gas basicity
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume