

Bis(N,N-dimethyl) O-ethyl phosphorodiamidate

Other names:	Ethyl tetramethylphosphorodiamidate
Inchi:	InChI=1S/C6H17N2O2P/c1-6-10-11(9,7(2)3)8(4)5/h6H2,1-5H3
InchiKey:	WOQVAMZDMJUHGB-UHFFFAOYSA-N
Formula:	C6H17N2O2P
SMILES:	CCOP(=O)(N(C)C)N(C)C
Mol. weight [g/mol]:	180.19
CAS:	2404-65-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.83		Crippen Method
logp	1.254		Crippen Method
mcvol	147.560	ml/mol	McGowan Method
rinpol	1159.00		NIST Webbook
rinpol	1216.60		NIST Webbook
rinpol	1158.70		NIST Webbook
rinpol	1216.60		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=C2404651&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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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