2-(Dimethylamino)-1,3-dimethyltetrahydro-1,3,2-di 2-oxide

Other names:	1,3,2-Diazaphospholidin-2-amine, N,N,1,3-tetramethyl-2-oxide
	c-OP(N(CH3)2)N(CH3)CH2CH2N(CH3)
	c-OP{N(CH3)2}N(CH3)CH2CH2N(CH3)
Inchi:	InChI=1S/C6H16N3OP/c1-7(2)11(10)8(3)5-6-9(11)4/h5-6H2,1-4H3
InchiKey:	PTUNVBFYPJJYOY-UHFFFAOYSA-N
Formula:	C6H16N3OP
SMILES:	CN(C)P1(=O)N(C)CCN1C
Mol. weight [g/mol]:	177.18
CAS:	7778-06-5

Physical Properties

Property code	Value	Unit	Source
affp	961.70	kJ/mol	NIST Webbook
basg	929.30	kJ/mol	NIST Webbook
log10ws	-1.20		Crippen Method
logp	0.533		Crippen Method
mcvol	140.810	ml/mol	McGowan Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7778065&Units=SI

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

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