

OP(N(CH3)2)(CH3)2

Other names:	OP(N(CH3)2)(CH3)2
Inchi:	InChI=1S/C4H12NOP/c1-5(2)7(3,4)6/h1-4H3
InchiKey:	HULKTRNALMGDES-UHFFFAOYSA-N
Formula:	C4H12NOP
SMILES:	CN(C)P(C)(C)=O
Mol. weight [g/mol]:	121.12

Physical Properties

Property code	Value	Unit	Source
affp	935.50	kJ/mol	NIST Webbook
basg	903.00	kJ/mol	NIST Webbook
ie	8.08	eV	Cheméo Relay (1.0)
logp	1.086		Crippen Method
mcvol	103.530	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C50663053&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/31-580-3/OP-N-CH3-2-CH3-2.pdf>

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