

Phosphorodiamidous fluoride, tetramethyl-

Other names:	Bis(dimethylamino)fluorophosphine
Inchi:	InChI=1S/C4H12FN2P/c1-6(2)8(5)7(3)4/h1-4H3
InchiKey:	TVVMGUKYLZUMQA-UHFFFAOYSA-N
Formula:	C4H12FN2P
SMILES:	CN(C)P(F)N(C)C
Mol. weight [g/mol]:	138.12
CAS:	1735-82-6

Physical Properties

Property code	Value	Unit	Source
log10ws	2.68		Crippen Method
logp	1.306		Crippen Method
mcvol	109.410	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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=C1735826&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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<https://www.chemeo.com/cid/96-711-6/Phosphorodiamidous-fluoride-tetramethyl.pdf>

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