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/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=C1735826&Units=SI

Legend

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