Phosphorodiamidic chloride, tetramethyl-

Other names:	((CH3)2N)2POCl
	Bis(dimethylamino)phosphorylchloride
	Phosphorodiamidic chloride, tetramethyl-
	Phosphorodiamidic chloride, N,N,N',N'-tetramethyl-
	N,N,N',N'-Tetramethyldiamidophosphorochloridate
Inchi:	InChI=1S/C4H12ClN2OP/c1-6(2)9(5,8)7(3)4/h1-4H3
InchiKey:	WYLQARGYFXBZMD-UHFFFAOYSA-N
Formula:	C4H12ClN2OP
SMILES:	CN(C)P(=O)(Cl)N(C)C
Mol. weight [g/mol]:	170.58

Physical Properties

Property code	Value	Unit	Source
ie	8.61	eV	NIST Webbook
logp	1.457		Crippen Method
mcvol	125.750	ml/mol	McGowan Method
tf	311.80	K	Cheméo Relay (1.0)

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	383.00	K	1.30	NIST Webbook
tbrp	406.50 ± 0.50	K	4.00	NIST Webbook

Sources

Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1605658&Units=SI
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure
tf:	Normal melting (fusion) point