Diphosphine, 1,1-dimethyl-2,2-bis(trifluoromethyl)-

Other names: Diphosphine, 1,1-dimethyl-2,2-bis(trifluo6 PI
1,1-Bis(trifluoromethyl)-2,2-(dimethyl)diphosphine
Inchi: InChI=1S/C4H6F6P2/c1-11(2)12(3(5,6)7)4(8,9)10/h1-2H3
InchiKey: BMBFPXGYMSUPRD-UHFFFAOYSA-N
Formula: C4H6F6P2
SMILES: CP(C)P(C(F)(F)F)C(F)(F)F
Mol. weight [g/mol]: 230.03
CAS: 666-62-6

Physical Properties

Property code	Value	Unit	Source
ie	9.37	eV	NIST Webbook
log10ws	3.49		Crippen Method
logp	4.164		Crippen Method
mcvol	118.760	ml/mol	McGowan Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C666626&Units=SI
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

Legend

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

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