Diphosphine, tetramethyl-, 1,2-disulfide

Other names:	Diphosphine, tetramethyl-, disulfide
	Tetramethylbiphosphine disulfide
	Tetramethyldiphosphine disulfide
	Teramethyldiphosphine disulphide
	Diphosphine, 1,1,2,2-tetramethyl-, 1,2-disulfide
Inchi:	InChI=1S/C4H12P2S2/c1-5(2,7)6(3,4)8/h1-4H3
InchiKey:	LGZQQMXQPAHRIH-UHFFFAOYSA-N
Formula:	C4H12P2S2
SMILES:	CP(C)(=S)P(C)(C)=S
Mol. weight [g/mol]:	186.22
CAS:	3676-97-9

Physical Properties

Property code	Value	Unit	Source
log10ws	6.95		Crippen Method
logp	2.380		Crippen Method
mcvol	140.840	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3676979&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

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