

Bis(dimethylamino)methylphosphine

Other names:	Phosphine, bis(dimethylamino)-methyl-
Inchi:	InChI=1S/C5H15N2P/c1-6(2)8(5)7(3)4/h1-5H3
InchiKey:	PUFUNWGTWSVVRT-UHFFFAOYSA-N
Formula:	C5H15N2P
SMILES:	CN(C)P(C)N(C)C
Mol. weight [g/mol]:	134.16
CAS:	14937-39-4

Physical Properties

Property code	Value	Unit	Source
ie	7.80	eV	NIST Webbook
log10ws	3.11		Crippen Method
logp	1.051		Crippen Method
mcvol	121.730	ml/mol	McGowan Method

Sources

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=C14937394&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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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