

N,n-dimethyl-p-methyl phosphonamidic acid, isopropyl ester

Inchi:	InChI=1S/C6H16NO2P/c1-6(2)9-10(5,8)7(3)4/h6H,1-5H3
InchiKey:	VBMDWMRSKLLTKZ-UHFFFAOYSA-N
Formula:	C6H16NO2P
SMILES:	CC(C)OP(C)(=O)N(C)C
Mol. weight [g/mol]:	165.17
CAS:	2511-07-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.38		Crippen Method
logp	1.796		Crippen Method
mcvol	137.580	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2511071&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/120-181-7/N-n-dimethyl-p-methyl-phosphonamidic-acid-isopropyl-ester.pdf>

Generated by Cheméo on 2024-04-28 21:29:05.154475532 +0000 UTC m=+16628994.075052844.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.