

PHOSPHONIC ACID, BIS(1-METHYLETHYL) ESTER

Other names:	Phosphonic acid, diisopropyl ester
	Diisopropyl hydrogen phosphite
	Diisopropyl phosphite
	Diisopropyl phosphonate
	Diisopropylphosphine oxide
	Isopropyl phosphonate ((C ₃ H ₇ O) ₂ HPO)
	O,O-Diisopropyl phosphonate
	di-i-Propylphosphite
	Diisopropyl hydrogen phosphonate
	Isopropyl phosphonate
	NSC 82344
Inchi:	InChI=1S/C6H15O3P/c1-5(2)8-10(7)9-6(3)4/h5-6,10H,1-4H3
InchiKey:	BLKXLEPPVDUHY-UHFFFAOYSA-N
Formula:	C ₆ H ₁₅ O ₃ P
SMILES:	<chem>CC(C)O[PH](=O)OC(C)C</chem>
Mol. weight [g/mol]:	166.16

Physical Properties

Property code	Value	Unit	Source
logp	2.226		Crippen Method
mcvol	133.470	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1809207&Units=SI

Legend

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

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