Phosphonic diamide, N,N,N',N'-tetramethyl-p-propadienyl-

Inchi: InChI=1S/C7H15N2OP/c1-6-7-11(10,8(2)3)9(4)5/h7H,1H2,2-5H3
InchiKey: YSNFPKJXOKXLGX-UHFFFAOYSA-N
Formula: C7H15N2OP
SMILES: C=C=CP(=O)(N(C)C)N(C)C
Mol. weight [g/mol]: 174.18
CAS: 3356-37-4

Physical Properties

Property code	Value	Unit	Source
ie	8.69	eV	NIST Webbook
log10ws	-2.39		Crippen Method
logp	1.601		Crippen Method
mcvol	147.180	ml/mol	McGowan Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C3356374&Units=SI

Legend

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

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