

3-Ethyl-2-isopropyl-3,5-dimethyl-1,4,2-diazaphosph

Inchi: InChI=1S/C14H23N2OP/c1-6-14(5)15-13-11(4)8-7-9-12(13)16-18(14,17)10(2)3/h7-10,15
InchiKey: HEVUTICHSPWUKT-UHFFFAOYSA-N
Formula: C14H23N2OP
SMILES: CCC1(C)Nc2c(C)cccc2NP1(=O)C(C)C
Mol. weight [g/mol]: 266.32

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.96		Crippen Method
logp	4.645		Crippen Method
mcvol	219.790	ml/mol	McGowan Method
rinpol	1835.00		NIST Webbook
rinpol	1835.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R562282&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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
rinpol: Non-polar retention indices

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