s-butyl N,N-dimethylphosphoramidocyanidate, diastereomer 1

Inchi: InChI=1S/C7H15N2O2P/c1-5-7(2)11-12(10,6-8)9(3)4/h7H,5H2,1-4H3
InchiKey: MNNZKDXMTXPOGG-UHFFFAOYSA-N
Formula: C7H15N2O2P
SMILES: CCC(C)OP(=O)(C#N)N(C)C
Mol. weight [g/mol]: 190.18

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.16		Crippen Method
logp	2.037		Crippen Method
mcvol	153.050	ml/mol	McGowan Method
rinpol	1256.10		NIST Webbook
rinpol	1256.10		NIST Webbook

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=R496190&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices

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