

Ethanamine, N,N-dimethyl-1-(phenylphosphinidene)-

Inchi: InChI=1S/C10H14NP/c1-9(11(2)3)12-10-7-5-4-6-8-10/h4-8H,1-3H3
InchiKey: FOJMFINSAQJHLP-UHFFFAOYSA-N
Formula: C10H14NP
SMILES: CC(=Pc1ccccc1)N(C)C
Mol. weight [g/mol]: 179.20
CAS: 75589-83-2

Physical Properties

Property code	Value	Unit	Source
ie	7.00	eV	NIST Webbook
log10ws	-2.89		Crippen Method
logp	1.970		Crippen Method
mcvol	154.140	ml/mol	McGowan Method

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=C75589832&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Legend

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

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<https://www.chemeo.com/cid/12-220-3/Ethanamine-N-N-dimethyl-1-phenylphosphinidene.pdf>

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