4-Acetamido-2,2,6,6-tetramethylpiperidinyloxy

Other names:	Tempace
	4-Acetamido-2,2,6,6-tetramethyl-1-piperidinyloxyl
	4-Acetamido-2,2,6,6-tetramethylpiperidino-1-oxyl
	1-Piperidinyloxy, 4-(acetylamino)-2,2,6,6-tetramethyl-
	4-Acetamido-2,2,6,6-tetramethylpiperidinyloxy radical
	1-Piperidinyloxy radical,4-(acetylamino)-2,2,6,6-tetramethyl-
	2,2,6,6-Tetramethyl-4-acetylamino-piperidin-1-oxyl
	4-ACETAMINO-TEMPO
Inchi:	InChI=1S/C11H21N2O2/c1-8(14)12-9-6-10(2,3)13(15)11(4,5)7-9/h9H,6-7H2,1-5H3,(H,12
InchiKey:	UXBLSWOMIHTQPH-UHFFFAOYSA-N
Formula:	C11H21N2O2
SMILES:	CC(O)=NC1CC(C)(C)N([O])C(C)(C)C1
Mol. weight [g/mol]:	213.30
CAS:	14691-89-5

Physical Properties

Property code	Value	Unit	Source
ie	7.40 ± 0.05	eV	NIST Webbook
log10ws	-7.09		Crippen Method
logp	2.330		Crippen Method
mcvol	180.240	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=C14691895&Units=SI

Legend

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