

1-Piperidinyloxy, 2,2,6,6-tetramethyl-

Other names:	Piperidinoxy, 2,2,6,6-tetramethyl- (2,2,6,6-Tetramethylpiperidino)oxy Tanan Tanane Tetramethylpiperidine nitroxide Tetramethylpiperidinoxy 1-Oxyl-2,2,6,6-tetramethylpiperidine 1,1,5,5-Tetramethylpentamethylene nitroxide 2,2,6,6-Tetramethyl-1-oxylpiperidine 2,2,6,6-Tetramethyl-1-piperadoxyl 2,2,6,6-Tetramethyl-1-piperidinoxyl 2,2,6,6-Tetramethyl-1-piperidinyloxy 2,2,6,6-Tetramethylpiperidin-1-oxyl 2,2,6,6-Tetramethylpiperidin-1-oxyl 2,2,6,6-Tetramethylpiperidine nitroxide 2,2,6,6-Tetramethylpiperidine N-oxide radical 2,2,6,6-Tetramethylpiperidine N-oxyl 2,2,6,6-Tetramethylpiperidine N-oxyl radical 2,2,6,6-Tetramethylpiperidine-1-oxyl radical 2,2,6,6-Tetramethylpiperidinoxy radical 2,2,6,6-Tetramethylpiperidinoxyl 2,2,6,6-Tetramethylpiperidinoxyl radical 2,2,6,6-Tetramethylpiperidiny-N-oxyl 2,2,6,6-Tetramethylpiperidiny-1-oxyl 2,2,6,6-Tetramethylpiperidinyloxy 2,2,6,6-Tetramethylpiperidoxyl 1-Piperidinyloxy radical, 2,2,6,6-tetramethyl- Tempo 2,2,6,6-Tetramethylpiperidine-1-oxyl 2,2,6,6-Tetramethyl-1-piperidyloxy 2,2,6,6-Tetramethylpiperidine nitroxide radical 2,2,6,6-Tetramethylpiperidiny 1-oxide
Inchi:	InChI=1S/C9H18NO/c1-8(2)6-5-7-9(3,4)10(8)11/h5-7H2,1-4H3
InchiKey:	QYTDEUPAUMOIOP-UHFFFAOYSA-N
Formula:	C9H18NO
SMILES:	CC1(C)CCCC(C)(C)N1[O]
Mol. weight [g/mol]:	156.25
CAS:	2564-83-2

Physical Properties

Property code	Value	Unit	Source
affp	882.30	kJ/mol	NIST Webbook
basg	849.80	kJ/mol	NIST Webbook
ie	6.73	eV	NIST Webbook
log10ws	-7.16		Crippen Method
logp	2.375		Crippen Method
mcvol	140.510	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.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=C2564832&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity
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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