

# N,N'-Bis(2-methyl-2-nitrosobutan-3-one)

<b>Other names:</b>	2-Butanone, 3,3'-azobis[3-methyl-, N,N'-dioxide Azo-3,3'-bis-2-butanone N,N'-dioxide
<b>Inchi:</b>	InChI=1S/C10H18N2O4/c1-7(13)9(3,4)11(15)12(16)10(5,6)8(2)14/h1-6H3
<b>InchiKey:</b>	PGJGOOJKCZXYCW-UHFFFAOYSA-N
<b>Formula:</b>	C10H18N2O2
<b>SMILES:</b>	CC(=O)C(C)(C)[N+](=[O-])=[N+](=[O-])C(C)(C)C(C)=O
<b>Mol. weight [g/mol]:</b>	198.26
<b>CAS:</b>	34946-73-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.83		Crippen Method
logp	1.194		Crippen Method
mcvol	182.300	ml/mol	McGowan Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C34946731&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C34946731&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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