

# Bis(2,6-dimethylphenyldiazene)-1,2-dioxide

<b>Inchi:</b>	InChI=1S/C16H18N2O2/c1-11-7-5-8-12(2)15(11)17(19)18(20)16-13(3)9-6-10-14(16)4/h5
<b>InchiKey:</b>	MOIONWYNTORJQI-ISLYRVAYSA-N
<b>Formula:</b>	C16H18N2O2
<b>SMILES:</b>	<chem>Cc1cccc(C)c1[N+]([O-])=[N+]([O-])c1c(C)cccc1C</chem>
<b>Mol. weight [g/mol]:</b>	270.33
<b>CAS:</b>	78301-05-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.20		Crippen Method
logp	4.356		Crippen Method
mcvol	216.180	ml/mol	McGowan Method

## Sources

<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=C78301050&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C78301050&amp;Units=SI</a>
<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>

## 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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