

# Nitrosyl ion

<b>Other names:</b>	NO+ Nitrogen oxide cation
<b>Inchi:</b>	InChI=1S/NO/c1-2/q+1
<b>InchiKey:</b>	KEJOCWOXCDWNID-UHFFFAOYSA-N
<b>Formula:</b>	NO+
<b>SMILES:</b>	N#[O+]
<b>Mol. weight [g/mol]:</b>	30.01
<b>CAS:</b>	14452-93-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.18		Crippen Method
logp	-0.104		Crippen Method
mcvol	20.260	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=C14452938&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C14452938&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

Latest version available from:

<https://www.chemeo.com/cid/18-597-0/Nitrosyl-ion.pdf>

Generated by Cheméo on 2024-04-19 22:13:30.559819164 +0000 UTC m=+15854059.480396475.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.