

# Magnesium ion (1+)

<b>Other names:</b>	Magnesium cation
<b>Inchi:</b>	InChI=1S/Mg/q+1
<b>InchiKey:</b>	XYAGEBWLYIDCRX-UHFFFAOYSA-N
<b>Formula:</b>	Mg+
<b>SMILES:</b>	[Mg+]
<b>Mol. weight [g/mol]:</b>	24.30
<b>CAS:</b>	14581-92-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.57		Crippen Method
logp	-0.381		Crippen 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>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C14581921&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C14581921&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

Latest version available from:

<https://www.chemeo.com/cid/24-844-8/Magnesium-ion-1.pdf>

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