

# Dioxosilane

<b>Other names:</b>	Amorphous silica Hydrolyzed silica (cab-o-sil) Crystalline silica Silicon dioxide Silica Silicon(iv) oxide
<b>Inchi:</b>	InChI=1S/O2Si/c1-3-2
<b>InchiKey:</b>	VYPSYNLAJGMNEJ-UHFFFAOYSA-N
<b>Formula:</b>	O2Si
<b>SMILES:</b>	O=[Si]=O
<b>Mol. weight [g/mol]:</b>	60.08
<b>CAS:</b>	7631-86-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.31		Crippen Method
logp	-0.618		Crippen Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C7631869&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C7631869&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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

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<https://www.chemeo.com/cid/43-281-2/Dioxosilane.pdf>

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