

# Trisilane, octamethyl-

<b>Other names:</b>	Octamethyltrisilane Si <sub>3</sub> (CH <sub>3</sub> ) <sub>8</sub>
<b>Inchi:</b>	InChI=1S/C8H24Si3/c1-9(2,3)11(7,8)10(4,5)6/h1-8H3
<b>InchiKey:</b>	DDIMPUQNMJIVKL-UHFFFAOYSA-N
<b>Formula:</b>	C <sub>8</sub> H <sub>24</sub> Si <sub>3</sub>
<b>SMILES:</b>	C[Si](C)(C)[Si](C)(C)[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	204.53
<b>CAS:</b>	3704-44-7

## Physical Properties

Property code	Value	Unit	Source
ie	7.70	eV	NIST Webbook
ie	7.53 ± 0.01	eV	NIST Webbook
ie	8.19	eV	NIST Webbook
log10ws	4.07		Crippen Method
logp	3.528		Crippen 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>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C3704447&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3704447&amp;Units=SI</a>

## Legend

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

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