

# Disilane, 1,2-dimethyl-1,1,2,2-tetraphenyl-

<b>Other names:</b>	1,2-Dimethyl-1,1,2,2-tetraphenyldisilane
<b>Inchi:</b>	InChI=1S/C26H26Si2/c1-27(23-15-7-3-8-16-23,24-17-9-4-10-18-24)28(2,25-19-11-5-12-26)
<b>InchiKey:</b>	JNZRJYXUMDPPRK-UHFFFAOYSA-N
<b>Formula:</b>	C <sub>26</sub> H <sub>26</sub> Si <sub>2</sub>
<b>SMILES:</b>	C[Si](c1ccccc1)(c1ccccc1)[Si](C)(c1ccccc1)c1ccccc1
<b>Mol. weight [g/mol]:</b>	394.66
<b>CAS:</b>	1172-76-5

## Physical Properties

Property code	Value	Unit	Source
ie	8.05 ± 0.15	eV	NIST Webbook
log10ws	-18.14		Crippen Method
logp	3.851		Crippen Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1172765&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1172765&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>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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<https://www.chemeo.com/cid/72-159-6/Disilane-1-2-dimethyl-1-1-2-2-tetraphenyl.pdf>

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