

# Disilane, 1,1,1-trimethyl-2,2,2-triphenyl-

<b>Other names:</b>	1,1,1-Trimethyl-2,2,2-triphenyldisilane
<b>Inchi:</b>	InChI=1S/C21H24Si2/c1-22(2,3)23(19-13-7-4-8-14-19,20-15-9-5-10-16-20)21-17-11-6-12
<b>InchiKey:</b>	BSFLZHNGSJZLQC-UHFFFAOYSA-N
<b>Formula:</b>	C <sub>21</sub> H <sub>24</sub> Si <sub>2</sub>
<b>SMILES:</b>	C[Si](C)(C)[Si](c1ccccc1)(c1ccccc1)c1ccccc1
<b>Mol. weight [g/mol]:</b>	332.59
<b>CAS:</b>	1450-18-6

## Physical Properties

Property code	Value	Unit	Source
ie	8.30 ± 0.15	eV	NIST Webbook
log10ws	-12.97		Crippen Method
logp	3.573		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=C1450186&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1450186&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

Latest version available from:

<https://www.chemeo.com/cid/72-535-8/Disilane-1-1-1-trimethyl-2-2-2-triphenyl.pdf>

Generated by Cheméo on 2024-04-25 21:50:44.33243693 +0000 UTC m=+16371093.253014251.

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