

# Silane, dimethoxydiphenyl-

<b>Other names:</b>	Dimethoxydiphenylsilane Diphenyldimethoxysilane CD6010
<b>Inchi:</b>	InChI=1S/C14H16O2Si/c1-15-17(16-2,13-9-5-3-6-10-13)14-11-7-4-8-12-14/h3-12H,1-2H
<b>InchiKey:</b>	AHUXYBVKTIBBJW-UHFFFAOYSA-N
<b>Formula:</b>	C14H16O2Si
<b>SMILES:</b>	CO[Si](OC)(c1ccccc1)c1ccccc1
<b>Mol. weight [g/mol]:</b>	244.36
<b>CAS:</b>	6843-66-9

## Physical Properties

Property code	Value	Unit	Source
hvap	64.40 ± 0.90	kJ/mol	NIST Webbook
log10ws	-8.65		Crippen Method
logp	1.536		Crippen Method

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	434.00	K	2.00	NIST Webbook

## 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=C6843669&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C6843669&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>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>log<sub>10</sub>w<sub>s</sub>:</b>	Log <sub>10</sub> of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>t<sub>brp</sub>:</b>	Boiling point at reduced pressure

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