

# Disilane, hexaphenyl-

<b>Other names:</b>	Hexaphenyldisilane
<b>Inchi:</b>	InChI=1S/C36H30Si2/c1-7-19-31(20-8-1)37(32-21-9-2-10-22-32,33-23-11-3-12-24-33)38
<b>InchiKey:</b>	ZMHATUZXFQOVSC-UHFFFAOYSA-N
<b>Formula:</b>	C36H30Si2
<b>SMILES:</b>	c1ccc([Si](c2ccccc2)(c2ccccc2)[Si](c2ccccc2)(c2ccccc2)c2ccccc2)cc1
<b>Mol. weight [g/mol]:</b>	518.79
<b>CAS:</b>	1450-23-3

## Physical Properties

Property code	Value	Unit	Source
hsub	209.20 ± 2.10	kJ/mol	NIST Webbook
ie	8.16 ± 0.15	eV	NIST Webbook
log10ws	-28.49		Crippen Method
logp	4.406		Crippen Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1450233&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1450233&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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>

## Legend

<b>hsub:</b>	Enthalpy of sublimation at standard conditions
<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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