

1,2-Diphenyltetramethyldisilane

Other names:	Disilane, 1,1,2,2-tetramethyl-1,2-diphenyl-
Inchi:	InChI=1S/C16H22Si2/c1-17(2,15-11-7-5-8-12-15)18(3,4)16-13-9-6-10-14-16/h5-14H,1-4H
InchiKey:	IIOOIYHUTINYQO-UHFFFAOYSA-N
Formula:	C16H22Si2
SMILES:	C[Si](C)(c1ccccc1)[Si](C)(C)c1ccccc1
Mol. weight [g/mol]:	270.52
CAS:	1145-98-8

Physical Properties

Property code	Value	Unit	Source
ie	7.70	eV	NIST Webbook
ie	8.11 ± 0.15	eV	NIST Webbook
ie	8.23	eV	NIST Webbook
log10ws	-7.80		Crippen Method
logp	3.296		Crippen Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1145988&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/82-408-8/1-2-Diphenyltetramethyldisilane.pdf>

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