

Dimethyl diphenylsilane

Other names:	Diphenyldimethylsilane Silane, dimethyldiphenyl-
Inchi:	InChI=1S/C14H16Si/c1-15(2,13-9-5-3-6-10-13)14-11-7-4-8-12-14/h3-12H,1-2H3
InchiKey:	WJKVFIFBAASZJX-UHFFFAOYSA-N
Formula:	C14H16Si
SMILES:	C[Si](C)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	212.36
CAS:	778-24-5

Physical Properties

Property code	Value	Unit	Source
ie	8.50	eV	NIST Webbook
ie	8.98	eV	NIST Webbook
log10ws	-9.32		Crippen Method
logp	2.509		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C778245&Units=SI

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/74-190-9/Dimethyl-diphenylsilane.pdf>

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