

# Arsine, diphenyl(trimethylsilyl)-

<b>Inchi:</b>	InChI=1S/C15H19AsSi/c1-17(2,3)16(14-10-6-4-7-11-14)15-12-8-5-9-13-15/h4-13H,1-3H3
<b>InchiKey:</b>	IHIYHGCGHGYTHP-UHFFFAOYSA-N
<b>Formula:</b>	C15H19AsSi
<b>SMILES:</b>	C[Si](C)(C)[As](c1ccccc1)c1ccccc1
<b>Mol. weight [g/mol]:</b>	302.32
<b>CAS:</b>	38003-95-1

## Physical Properties

Property code	Value	Unit	Source
ie	7.40	eV	NIST Webbook
ie	7.72	eV	NIST Webbook
log10ws	-7.41		Crippen Method
logp	2.712		Crippen Method

## 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=C38003951&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C38003951&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>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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<https://www.chemeo.com/cid/79-388-5/Arsine-diphenyl-trimethylsilyl.pdf>

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