

# Phosphine, tris[4-(trimethylsilyl)phenyl]-

<b>Other names:</b>	Phosphine, tris[p-(trimethylsilyl)phenyl]-
<b>Inchi:</b>	InChI=1S/C27H39PSi3/c1-29(2,3)25-16-10-22(11-17-25)28(23-12-18-26(19-13-23)30(4,5
<b>InchiKey:</b>	JBGZDPADFXLUTA-UHFFFAOYSA-N
<b>Formula:</b>	C27H39PSi3
<b>SMILES:</b>	C[Si](C)(C)c1ccc(P(c2ccc([Si](C)(C)C)cc2)c2ccc([Si](C)(C)C)cc2)cc1
<b>Mol. weight [g/mol]:</b>	478.83
<b>CAS:</b>	18848-96-9

## Physical Properties

Property code	Value	Unit	Source
ie	7.67	eV	NIST Webbook
log10ws	-21.69		Crippen Method
logp	5.080		Crippen Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C18848969&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C18848969&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.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

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

Latest version available from:

<https://www.chemeo.com/cid/72-135-2/Phosphine-tris-4-trimethylsilyl-phenyl.pdf>

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