

# N-Trimethylsilyliminotriphenylphosphorane

<b>Other names:</b>	Silanamine, 1,1,1-trimethyl-N-(triphenylphosphoranylidene)- Phosphine imide, P,P,P-triphenyl-N-(trimethylsilyl)- Triphenyl-N-(trimethylsilyl)phosphine imide
<b>Inchi:</b>	InChI=1S/C21H24NPSi/c1-24(2,3)22-23(19-13-7-4-8-14-19,20-15-9-5-10-16-20)21-17-1
<b>InchiKey:</b>	YTKOPFGRNPVCPE-UHFFFAOYSA-N
<b>Formula:</b>	C <sub>21</sub> H <sub>24</sub> NPSi
<b>SMILES:</b>	<chem>C[Si](C)(C)N=P(c1ccccc1)(c1ccccc1)c1ccccc1</chem>
<b>Mol. weight [g/mol]:</b>	349.48
<b>CAS:</b>	13892-06-3

## Physical Properties

Property code	Value	Unit	Source
ie	8.05	eV	NIST Webbook
log10ws	-12.67		Crippen Method
logp	4.999		Crippen Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C13892063&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C13892063&amp;Units=SI</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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