

# Phosphoric triamide, triphenyl

<b>Inchi:</b>	InChI=1S/C18H18N3OP/c22-23(19-16-10-4-1-5-11-16,20-17-12-6-2-7-13-17)21-18-14-8
<b>InchiKey:</b>	UUSQZFAWRPTQFW-UHFFFAOYSA-N
<b>Formula:</b>	C18H18N3OP
<b>SMILES:</b>	O=P(Nc1ccccc1)(Nc1ccccc1)Nc1ccccc1
<b>Mol. weight [g/mol]:</b>	323.33
<b>CAS:</b>	5326-10-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.80		Crippen Method
logp	5.431		Crippen Method
mcvol	249.470	ml/mol	McGowan 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.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C5326103&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5326103&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/73-749-0/Phosphoric-triamide-triphenyl.pdf>

Generated by Cheméo on 2024-04-29 14:18:48.213124726 +0000 UTC m=+16689577.133702037.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.