

# Phosphoric triamide, n,n',n''-tri-2-naphthyl-

<b>Inchi:</b>	InChI=1S/C30H24N3OP/c34-35(31-28-16-13-22-7-1-4-10-25(22)19-28,32-29-17-14-23-8
<b>InchiKey:</b>	BKZIQCXUYULPVLY-UHFFFAOYSA-N
<b>Formula:</b>	C30H24N3OP
<b>SMILES:</b>	O=P(Nc1ccc2ccccc2c1)(Nc1ccc2ccccc2c1)Nc1ccc2ccccc2c1
<b>Mol. weight [g/mol]:</b>	473.50
<b>CAS:</b>	18112-99-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-12.22		Crippen Method
logp	8.890		Crippen Method
mcvol	360.170	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=C18112997&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C18112997&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

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