

# Inosine, tetrakis(trimethylsilyl) ether

<b>Other names:</b>	inosine, TMS Inosine, 4tms derivative
<b>Inchi:</b>	InChI=1S/C22H44N4O5Si4/c1-32(2,3)27-13-16-18(29-33(4,5)6)19(30-34(7,8)9)22(28-16
<b>InchiKey:</b>	LEZIDMDMEIMSNO-UHFFFAOYSA-N
<b>Formula:</b>	C22H44N4O5Si4
<b>SMILES:</b>	C[Si](C)(C)OCC1OC(n2cnc3c(O[Si](C)(C)C)ncnc32)C(O[Si](C)(C)C)C1O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	556.95

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.94		Crippen Method
logp	5.229		Crippen Method
rinpol	2560.00		NIST Webbook
rinpol	2564.40		NIST Webbook
rinpol	2596.00		NIST Webbook
rinpol	2560.00		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U332747&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U332747&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>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinpol:</b>	Non-polar retention indices

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<https://www.chemeo.com/cid/114-548-7/Inosine-tetrakis-trimethylsilyl-ether.pdf>

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