

# Dopamine, N,O,O'-(tert-butyldimethylsilyl)-

<b>Other names:</b>	Dopamine, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ether Dopamine, 3tdms derivative
<b>Inchi:</b>	InChI=1S/C26H53NO2Si3/c1-24(2,3)30(10,11)27-19-18-21-16-17-22(28-31(12,13)25(4,5
<b>InchiKey:</b>	JFRZLRBTNXRJJM-UHFFFAOYSA-N
<b>Formula:</b>	C26H53NO2Si3
<b>SMILES:</b>	CC(C)(C)[Si](C)(C)NCCc1ccc(O[Si](C)(C)C(C)(C)C)c(O[Si](C)(C)C(C)(C)C)c1
<b>Mol. weight [g/mol]:</b>	495.96

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.55		Crippen Method
logp	8.592		Crippen Method
rinpol	2512.80		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U333762&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U333762&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/59-802-6/Dopamine-N-O-O-tert-butyldimethylsilyl.pdf>

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