

# Dihydrocapsaicin, tert-butyldimethylsilyl ether

<b>Other names:</b>	Dihydrocapsaicin, tbdms derivative
<b>Inchi:</b>	InChI=1S/C24H43NO3Si/c1-19(2)13-11-9-10-12-14-23(26)25-18-20-15-16-21(22(17-20)
<b>InchiKey:</b>	AMLFJTPKWKHNQK-UHFFFAOYSA-N
<b>Formula:</b>	C24H43NO3Si
<b>SMILES:</b>	COc1cc(CNC(=O)CCCCCC(C)C)ccc1O[Si](C)(C)C(C)(C)C
<b>Mol. weight [g/mol]:</b>	421.69

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.64		Crippen Method
logp	6.692		Crippen Method
rinpol	2923.80		NIST Webbook
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## 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>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U353107&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U353107&amp;Units=SI</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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