

# Tapentadol, trimethylsilyl ether

**Inchi:** InChI=1S/C17H31NOSi/c1-8-17(14(2)13-18(3)4)15-10-9-11-16(12-15)19-20(5,6)7/h9-12,  
**InchiKey:** RESZKCYZYNULCP-UHFFFAOYSA-N  
**Formula:** C17H31NOSi  
**SMILES:** CCC(c1cccc(O[Si](C)(C)C)c1)C(C)CN(C)C  
**Mol. weight [g/mol]:** 293.52

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.09		Crippen Method
logp	4.592		Crippen Method
rinpol	1684.30		NIST Webbook
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## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U417232&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinpol:** Non-polar retention indices

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<https://www.chemeo.com/cid/114-123-8/Tapentadol-trimethylsilyl-ether.pdf>

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