

# Ritalinic acid, trimethylsilyl ester

**Inchi:** InChI=1S/C16H25NO2Si/c1-20(2,3)19-16(18)15(13-9-5-4-6-10-13)14-11-7-8-12-17-14/h  
**InchiKey:** XAGQHWBSKSKLIB-UHFFFAOYSA-N  
**Formula:** C16H25NO2Si  
**SMILES:** C[Si](C)(C)OC(=O)C(c1ccccc1)C1CCCCN1  
**Mol. weight [g/mol]:** 291.46

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.70		Crippen Method
logp	3.290		Crippen Method
rinpol	1807.70		NIST Webbook
rinpol	1807.70		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U417231&Units=SI>  
**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)

## 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/114-124-7/Ritalinic-acid-trimethylsilyl-ester.pdf>

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