

# Rhodoporphyrin-XV dimethyl ester, bis(trimethylsyloxy)silicon(IV) derivative

**Inchi:** InChI=1S/C40H54N4O4Si2/c1-15-27-23(3)30-19-31-24(4)29(17-18-38(45)47-7)33(42-31)  
**InchiKey:** LJMAFZIPKPKLOK-RZVYGSAJSA-N  
**Formula:** C40H54N4O4Si2  
**SMILES:** CCC1=C(C)c2cc3nc(cc4c(C(=O)OC)c(C)c(cc5c(CC)c(C)c(cc1n2)n5[Si](C)(C)C)n4[Si](C)  
**Mol. weight [g/mol]:** 711.05

## Physical Properties

Property code	Value	Unit	Source
log10ws	-9.54		Crippen Method
logp	9.818		Crippen Method
rinpol	3855.00		NIST Webbook
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## Sources

**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=R149389&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

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

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