

# GA51, MeTMS

**Other names:** GA51 methyl ester TMS ether  
**Inchi:** InChI=1S/C23H34O5Si/c1-13-9-22-10-14(13)7-8-16(22)23-12-15(28-29(4,5)6)11-21(2,20)  
**InchiKey:** SZCXNKBZPNFVSY-DHKAYQAPSA-N  
**Formula:** C23H34O5Si  
**SMILES:** C=C1CC23CC1CCC2C12CC(O[Si](C)(C)C)CC(C)(C(=O)O1)C2C3C(=O)OC  
**Mol. weight [g/mol]:** 418.60

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.41		Crippen Method
logp	4.084		Crippen Method
rinpol	2522.00		NIST Webbook
rinpol	2494.00		NIST Webbook
rinpol	2491.00		NIST Webbook
rinpol	2492.00		NIST Webbook
rinpol	2547.00		NIST Webbook
rinpol	2549.00		NIST Webbook
rinpol	2519.00		NIST Webbook
rinpol	2538.00		NIST Webbook
rinpol	2528.00		NIST Webbook
rinpol	2532.00		NIST Webbook
rinpol	2534.00		NIST Webbook
rinpol	2539.00		NIST Webbook
rinpol	2490.00		NIST Webbook
rinpol	2519.00		NIST Webbook
rinpol	2539.00		NIST Webbook
rinpol	2538.00		NIST Webbook
rinpol	2549.00		NIST Webbook

## 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=R79654&Units=SI>

# 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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