

# Phenylacetylglycine, TMS

**Other names:** Phenylacetylglycine, bis-TMS  
Glycine, N-phenylacetyl, bis-TMS  
Phenylacetylglycine, di-TMS

**Inchi:** InChI=1S/C16H27NO3Si2/c1-21(2,3)19-15(12-14-10-8-7-9-11-14)17-13-16(18)20-22(4,5

**InchiKey:** FMACSPBAPWCZCK-UHFFFAOYSA-N

**Formula:** C16H27NO3Si2

**SMILES:** C[Si](C)(C)OC(=O)CN=C(Cc1ccccc1)O[Si](C)(C)C

**Mol. weight [g/mol]:** 337.56

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.67		Crippen Method
logp	3.857		Crippen Method
rinpol	1842.00		NIST Webbook
rinpol	1842.00		NIST Webbook
rinpol	1842.00		NIST Webbook
rinpol	1842.00		NIST Webbook

## 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=R113107&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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