

# Silanamine, N-[2-[3,4-bis[(trimethylsilyl)oxy]phenyl]ethyl]-1,1,1-

**Other names:** 3,4-Dihydroxyphenylethylamine, tris(trimethylsilyl)- deriv.

Dopamine, N,O,O-tris-TMS

Dopamine, TMS

Dopamine, 3tms derivative

**Inchi:** InChI=1S/C17H35NO2Si3/c1-21(2,3)18-13-12-15-10-11-16(19-22(4,5)6)17(14-15)20-23

**InchiKey:** IDQRGLQSFWNZMQ-UHFFFAOYSA-N

**Formula:** C17H35NO2Si3

**SMILES:** C[Si](C)(C)NCCc1ccc(O[Si](C)(C)C)c(O[Si](C)(C)C)c1

**Mol. weight [g/mol]:** 369.72

**CAS:** 68595-54-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.21		Crippen Method
logp	5.081		Crippen Method
rinpol	2104.00		NIST Webbook
rinpol	2104.00		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=C68595540&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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