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/ci990307l

Crippen Method: 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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