

Silane, [[4-[1,2-bis[(trimethylsilyl)oxy]ethyl]-1,2-phenylene]

Other names:

Silane, [[4-[1,2-bis[(trimethylsilyl)oxy]ethyl]-1,2-phenylene]bis(oxy)]bis*trimethyl-

1,2-Ethanediol, 3,4-dihydroxyphenyl, tetrakis-TMS

3,4-Dihydroxyphenyl glycol, tetrakis(trimethylsilyl) ether

3,6-Dioxa-2,7-disilaoctane,

4-[3,4-bis[(trimethylsilyl)oxy]phenyl]-2,2,7,7-tetramethyl-
DL-3,4-Dihydroxyphenyl glycol, tetrakis(trimethylsilyl) ether

3,4-Dihydroxyphenylglycol, 4tms derivative

Inchi: InChI=1S/C20H42O4Si4/c1-25(2,3)21-16-20(24-28(10,11)12)17-13-14-18(22-26(4,5)6)19

InchiKey: NIWMXZKSKPCCQX-UHFFFAOYSA-N

Formula: C20H42O4Si4

SMILES: C[Si](C)(C)OCC(O[Si](C)(C)C)c1ccc(O[Si](C)(C)C)c(O[Si](C)(C)C)c1

Mol. weight [g/mol]: 458.89

CAS: 56114-62-6

Physical Properties

Property code	Value	Unit	Source
log10ws	2.46		Crippen Method
logp	6.858		Crippen Method
rinpol	1852.20		NIST Webbook
rinpol	1909.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C56114626&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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