

d-Gluconic acid, 2,3,4,6-tetrakis-O-(trimethylsilyl)-, «delta»-lactone

Other names: 2,3,4,6-tetrakis-O-(trimethylsilyl)-D-glucono-1,5-lactone
2,3,4,6-Tetrakis-O-(trimethylsilyl)-D-gluconic acid «delta»-lactone

D-gluconic acid,2,3,4,6-tetrakis-O-(trimethylsilyl)-,d-lactone

D-(+)-Gluconic acid «delta»-lactone, tetrakis(trimethylsilyl) ether

Inchi: InChI=1S/C18H42O6Si4/c1-25(2,3)20-13-14-15(22-26(4,5)6)16(23-27(7,8)9)17(18(19)21

InchiKey: VNGTZLYNGGLPIZ-UHFFFAOYSA-N

Formula: C18H42O6Si4

SMILES: C[Si](C)(C)OCC1OC(=O)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C

Mol. weight [g/mol]: 466.86

CAS: 32384-65-9

Physical Properties

Property code	Value	Unit	Source
log10ws	4.89		Crippen Method
logp	4.424		Crippen Method
rinpol	1878.00		NIST Webbook
rinpol	1873.00		NIST Webbook
rinpol	1874.70		NIST Webbook

Sources

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

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C32384659&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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