

D-Gluconic acid, 2,3,4,5,6-pentakis-O-(trimethylsilyl)-, trimethylsilyl ester

Other names: Gluconic acid, 2,3,4,5,6-pentakis-O-(trimethylsilyl)-, trimethylsilyl ester, D-Trimethylsilyl 2,3,4,5,6-pentakis-O-(trimethylsilyl)gluconate, D-

Gluconic acid, (6TMS)

Gluconic acid, hexakis-TMS

Gluconic acid, TMS, #2

Gluconic acid TMS

Gluconic acid, TMS, #1

D-gluconic acid, 6tms derivative

Inchi: InChI=1S/C24H60O7Si6/c1-32(2,3)26-19-20(27-33(4,5)6)21(28-34(7,8)9)22(29-35(10,11

InchiKey: IVIMVRAMMWQMHJ-BXXSPATCSA-N

Formula: C₂₄H₆₀O₇Si₆

SMILES: C[Si](C)(C)OCC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(=O)O[S

Mol. weight [g/mol]: 629.24

CAS: 34290-52-3

Physical Properties

Property code	Value	Unit	Source
log10ws	7.08		Crippen Method
logp	7.096		Crippen Method
rinpol	2068.00		NIST Webbook
rinpol	1997.00		NIST Webbook
rinpol	2043.00		NIST Webbook
rinpol	2037.00		NIST Webbook
rinpol	1997.00		NIST Webbook
rinpol	2037.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C34290523&Units=SI>

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

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

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices

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