

Glucaric acid, 2,3,5-tris-O-(trimethylsilyl)-, «gamma»-lactone, 6-(trimethylsilyl) ester

Other names:	Glucaric acid, 2,3,5,6-tetrakis-O-(trimethylsilyl)-, 1,4-lactone, 6-(trimethylsilyl) ester Gluconic acid, 2,3,5,6-tetrakis-O-(trimethylsilyl)-, lactone Glucaric acid, 1,4-lactone, 4TMS
Inchi:	InChI=1S/C18H40O7Si4/c1-26(2,3)22-14-13(21-17(19)16(14)24-28(7,8)9)15(23-27(4,5)6
InchiKey:	ZEVFIEFYBHUBDV-UHFFFAOYSA-N
Formula:	C18H40O7Si4
SMILES:	C[Si](C)(C)OC(=O)C(O[Si](C)(C)C)C1OC(=O)C(O[Si](C)(C)C)C1O[Si](C)(C)C
Mol. weight [g/mol]:	480.85
CAS:	56272-60-7

Physical Properties

Property code	Value	Unit	Source
log10ws	5.11		Crippen Method
logp	3.950		Crippen Method
rinpol	1940.00		NIST Webbook
rinpol	1940.00		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=C56272607&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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