

Glucaric acid, 2,3,4,5-tetrakis-O-(trimethylsilyl)-, bis(trimethylsilyl) ester

Other names:	Hexakis(trimethylsilyl)glucaric acid 1,6-Bis(trimethylsilyl) 2,3,4,5-tetrakis-O-(trimethylsilyl)glucarate Glucaric acid, hexakis-TMS Glucaric acid, (6TMS)- Glucaric acid, TMS Galactaric acid, 6tms derivative
Inchi:	InChI=1S/C24H58O8Si6/c1-33(2,3)27-19(21(29-35(7,8)9)23(25)31-37(13,14)15)20(28-3
InchiKey:	AFNUGMFTFWKGLV-MYGLTJDJSA-N
Formula:	C24H58O8Si6
SMILES:	C[Si](C)(C)OC(=O)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
Mol. weight [g/mol]:	643.23
CAS:	38165-96-7

Physical Properties

Property code	Value	Unit	Source
log10ws	7.30		Crippen Method
logp	6.623		Crippen Method
rinpol	2070.00		NIST Webbook
rinpol	2073.00		NIST Webbook
rinpol	2011.00		NIST Webbook
rinpol	2014.00		NIST Webbook
rinpol	2014.00		NIST Webbook
rinpol	2070.00		NIST Webbook
rinpol	2014.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C38165967&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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