Pentanedioic acid, 2-[(trimethylsilyl)oxy]-, bis(trimethylsilyl) ester

Other names:	2-(Trimethylsiloxy)glutaric acid, bis(trimethylsilyl)- ester
	«alpha»-Hydroxyglutaric acid (3TMS)
	2-Hydroxyglutaric acid, O,O,O-tris(trimethylsilyl) deriv.
	2,3-Dideoxypentaric acid, tris-TMS
	Pentanedioic acid, 2-[(trimethylsilyl)oxy]-, 1,5-bis(trimethylsilyl) ester
	2-Hydroxyglutaric acid, tris-TMS
	2-Hydroxyglutaric acid, tri-TMS
	«alpha»-Hydroxyglutaric acid (tms)
	2,3-Dideoxypentaric acid, TMS
	2-Hydroxyglutaric acid, TMS
	2-Hydroxyglutarate, TMS
Inchi:	InChI=1S/C14H32O5Si3/c1-20(2,3)17-12(14(16)19-22(7,8)9)10-11-13(15)18-21(4,5)6/h1
InchiKey:	GFDIGKRHNMDEJF-UHFFFAOYSA-N
Formula:	C14H32O5Si3
SMILES:	C[Si](C)(C)OC(=O)CCC(O[Si](C)(C)C)C(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	364.66
CAS:	55530-62-6

Physical Properties

Property code	Value	Unit	Source
log10ws	3.24		Crippen Method
logp	3.743		Crippen Method
rinpol	1581.00		NIST Webbook
rinpol	1615.00		NIST Webbook
rinpol	1581.00		NIST Webbook
rinpol	1580.00		NIST Webbook
rinpol	1594.00		NIST Webbook
rinpol	1589.00		NIST Webbook
rinpol	1583.00		NIST Webbook
rinpol	1588.00		NIST Webbook
rinpol	1576.00		NIST Webbook
rinpol	1575.00		NIST Webbook
rinpol	1583.00		NIST Webbook
rinpol	1583.00		NIST Webbook
rinpol	1581.00		NIST Webbook
rinpol	1589.00		NIST Webbook
rinpol	1588.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C55530626&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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