bis[tert-Butyl(dimethyl)silyl]-but-2-enedioate

Other names: 2-Butenedioic acid, 2tbdms derivative
Inchi: InChI=1S/C16H32O4Si2/c1-15(2,3)21(7,8)19-13(17)11-12-14(18)20-22(9,10)16(4,5)6/h1
InchiKey: DDBSDNFXXPFNND-VAWYXSNFSA-N
Formula: C16H32O4Si2
SMILES: CC(C)(C)[Si](C)(C)OC(=O)C=CC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 344.59

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.20		Crippen Method
logp	4.639		Crippen Method
rinpol	1782.50		NIST Webbook
rinpol	1782.50		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U332854&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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