

Ascorbic acid, 2,3,5,6-tetrakis-O-(tert-butyldimethylsilyl)-

Other names:	Ascorbic acid, DMTBS Ascorbic acid, tetraTBDMS Ascorbic acid, 4tbdms derivative
Inchi:	InChI=1S/C30H64O6Si4/c1-27(2,3)37(13,14)32-21-22(34-38(15,16)28(4,5)6)23-24(35-39)
InchiKey:	QOISHJCNSPJGSE-UHFFFAOYSA-N
Formula:	C30H64O6Si4
SMILES:	CC(C)(C)[Si](C)(C)OCC(O[Si](C)(C)C(C)(C)C)C1OC(=O)C(O[Si](C)(C)C(C)(C)C)=C1O[S
Mol. weight [g/mol]:	633.17

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.76		Crippen Method
logp	9.579		Crippen Method

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=U221804&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

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