

L-Cystine, N,N1-bis(tert-butyldimethylsilyl)-, bis(tert-butyldimethylsilyl) ester

Other names:	Cystine tetraTBDMS L-cystine, 4tbdms derivative
Inchi:	InChI=1S/C30H68N2O4S2Si4/c1-27(2,3)39(13,14)31-23(25(33)35-41(17,18)29(7,8)9)21
InchiKey:	USOBQYBXMPXMJM-UHFFFAOYSA-N
Formula:	C30H68N2O4S2Si4
SMILES:	CC(C)(C)[Si](C)(C)NC(SSCC(N[Si](C)(C)C(C)(C)C(=O)O[Si](C)(C)C(C)(C)C(=O)O
Mol. weight [g/mol]:	697.34
CAS:	107716-02-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.67		Crippen Method
logp	9.391		Crippen Method
rinpola	3180.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C107716029&Units=SI

Legend

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

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