Bis(dimethyl-t-butylsilyl) adipate

Other names:	Hexanedioic acid, bis(tert-butyldimethylsilyl) ester
	Adipate, bis-TBDMS
	Adipic acid, diTBDMS
	Adipic acid, bis-TBDMS ester
	Adipic acid, bis(tert-butyldimethylsilyl) ester
	Adipic acid, TBDMS
	Adipate, TBDMS
	Adipic acid, DMTBS
	Adipic acid, 2tbdms derivative
Inchi:	InChI=1S/C18H38O4Si2/c1-17(2,3)23(7,8)21-15(19)13-11-12-14-16(20)22-24(9,10)18(4,
InchiKey:	PKYLRYVHBVWCFV-UHFFFAOYSA-N
Formula:	C18H38O4Si2
SMILES:	CC(C)(C)[Si](C)(C)OC(=O)CCCCC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	374.66
CAS:	104255-94-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.18		Crippen Method
logp	5.644		Crippen Method
rinpol	1966.00		NIST Webbook
rinpol	1966.00		NIST Webbook
rinpol	1964.00		NIST Webbook
rinpol	1967.00		NIST Webbook
rinpol	1948.00		NIST Webbook
rinpol	1964.00		NIST Webbook
rinpol	1966.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C104255949&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