Cyclodocosasiloxane, tetratetracontamethyl

Inchi:	InChI=1S/C44H132O22Si22/c1-67(2)45-68(3,4)47-70(7,8)49-72(11,12)51-74(15,16)53-7
InchiKey:	KTAVWKKPSOLBQQ-UHFFFAOYSA-N
Formula:	C44H132O22Si22
SMILES:	C[Si]1(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O
Mol. weight [g/mol]:	1631.39

Physical Properties

Property code	Value	Unit	Source
log10ws	32.02		Crippen Method
logp	15.805		Crippen Method
rinpol	3757.00		NIST Webbook
rinpol	3757.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R55195&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

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