1,1,3,3,5,5-Hexaphenyl-7,7-dimethylcyclotetrasilox

Inchi: InChI=1S/C38H36O4Si4/c1-43(2)39-44(33-21-9-3-10-22-33,34-23-11-4-12-24-34)41-46(
InchiKey: AMLJPMYFODDOQR-UHFFFAOYSA-N
Formula: C38H36O4Si4
SMILES: C[Si]1(C)O[Si](c2ccccc2)(c2ccccc2)O[Si](c2ccccc2)(c2ccccc2)O[Si](c2ccccc2)(c2ccccc2)
Mol. weight [g/mol]: 669.03
CAS: 1693-46-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-25.00		Crippen Method
logp	4.538		Crippen Method
ss	865.70	J/mol×K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	815.50	J/mol×K	298.15	NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1693465&Units=SI&Mask=3FFF

Legend

cps: Solid phase heat capacity
log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

ss: Solid phase molar entropy at standard conditions