2,2,4,4-tetramethyl-6,6,8,8-tetraphenylcyclotetrasi

Other names: 1,1,3,3-Tetramethyl-5,5,7,7-tetraphenylcyclotetrasiloxane
Inchi: InChI=1S/C28H32O4Si4/c1-33(2)29-34(3,4)31-36(27-21-13-7-14-22-27,28-23-15-8-16-24
InchiKey: SOPXVWFVFREYPL-UHFFFAOYSA-N
Formula: C28H32O4Si4
SMILES: C[Si]1(C)O[Si](C)(C)O[Si](c2ccccc2)(c2ccccc2)O[Si](c2ccccc2)(c2ccccc2)O1
Mol. weight [g/mol]: 544.89
CAS: 1693-47-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-14.65		Crippen Method
logp	3.983		Crippen Method
tt	346.21 ± 0.02	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	27.05	kJ/mol	346.20	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1693476&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hfust: Enthalpy of fusion at a given temperature

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tt:	Triple Point Temperature