Tetramethyltetraphenylcyclotetrasiloxane

Other names: 2,4,6,8-Tetramethyl-2,4,6,8-tetraphenyl-[1,3,5,7,2,4,6,8]cyclotetrasiloxane
2,4,6,8-tetramethyl-2,4,6,8-tetraphenylcyclotetrasiloxane
1,1,5',7'-Tetramethyl-1',3',5,7-tetraphenylcyclotetrasiloxane
Inchi: InChI=1S/C28H32O4Si4/c1-33(25-17-9-5-10-18-25)29-34(2,26-19-11-6-12-20-26)31-36(
InchiKey: IRVZFACCNZRHSJ-UHFFFAOYSA-N
Formula: C28H32O4Si4
SMILES: C[Si]1(c2ccccc2)O[Si](C)(c2ccccc2)O[Si](C)(c2ccccc2)O[Si](C)(c2ccccc2)O1
Mol. weight [g/mol]: 544.89
CAS: 77-63-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-14.65		Crippen Method
logp	3.983		Crippen Method
rinpol	2736.00		NIST Webbook
rinpol	2736.00		NIST Webbook
tt	373.00 ± 0.10	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	24.62	kJ/mol	373.40	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=C77634&Units=SI

Legend

hfust:	Enthalpy of fusion at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tt:	Triple Point Temperature