

Dimethyltetraphenylcyclotrisiloxane

Inchi: InChI=1S/C26H26O3Si3/c1-30(2)27-31(23-15-7-3-8-16-23,24-17-9-4-10-18-24)29-32(28)
InchiKey: QLEMFNDSSPDDRW-UHFFFAOYSA-N
Formula: C₂₆H₂₆O₃Si₃
SMILES: C[Si]1(C)O[Si](c2ccccc2)(c2ccccc2)O[Si](c2ccccc2)(c2ccccc2)O1
Mol. weight [g/mol]: 470.74
CAS: 1438-86-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-16.09		Crippen Method
logp	3.265		Crippen Method
ss	630.10	J/molxK	NIST Webbook
tt	361.06 ± 0.02	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	571.50	J/molxK	298.15	NIST Webbook
hfust	28.20	kJ/mol	361.10	NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1438864&Units=SI>

Legend

cps:	Solid phase heat capacity
hfust:	Enthalpy of fusion at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
ss:	Solid phase molar entropy at standard conditions
tt:	Triple Point Temperature

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