

Cyclotrisiloxane, 2,4,6-trimethyl-2,4,6-triphenyl-

Other names:	Trans-trimethyltriphenylcyclotrisiloxane 2,4,6-trimethyl-2,4,6-triphenylcyclotrisiloxane
Inchi:	InChI=1S/C21H24O3Si3/c1-25(19-13-7-4-8-14-19)22-26(2,20-15-9-5-10-16-20)24-27(3,2
InchiKey:	HAURRGANAANPSQ-UHFFFAOYSA-N
Formula:	C21H24O3Si3
SMILES:	C[Si]1(c2ccccc2)O[Si](C)(c2ccccc2)O[Si](C)(c2ccccc2)O1
Mol. weight [g/mol]:	408.67
CAS:	546-45-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-10.91		Crippen Method
logp	2.987		Crippen Method
rinpol	2198.00		NIST Webbook
tt	320.90 ± 0.10	K	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=C546452&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tt:	Triple Point Temperature

Latest version available from:

<https://www.chemeo.com/cid/59-722-5/Cyclotrisiloxane-2-4-6-trimethyl-2-4-6-triphenyl.pdf>

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