

Perphenyloctasilsesquioxane

Other names:	Pentacyclo[9.5.1.13,9.15,15.17,13]octasiloxane, octaphenyl-Silsesquioxane, phenyl-, cubical octamer
Inchi:	InChI=1S/C48H40O12Si8/c1-9-25-41(26-10-1)61-49-62(42-27-11-2-12-28-42)52-65(45-3
InchiKey:	KBXJHRABGYAFC-UHFFFAOYSA-N
Formula:	C48H40O12Si8
SMILES:	c1ccc([Si]23O[Si]4(c5ccccc5)O[Si]5(c6ccccc6)O[Si](c6ccccc6)(O2)O[Si]2(c6ccccc6)O[Si]
Mol. weight [g/mol]:	1033.51
CAS:	5256-79-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-26.81		Crippen Method
logp	3.022		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5256791&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

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<https://www.cheméo.com/cid/74-610-2/Perphenyloctasilsesquioxane.pdf>

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