

Pentacyclo[9.5.1.1(3,9).1(5,15).1(7,13)]octasiloxan

Other names:

Permethyloctasilsesquioxane

Octamethyl-

Octasilsesquioxane, octamethyl-

Inchi: InChI=1S/C8H24O12Si8/c1-21-9-22(2)12-25(5)14-23(3,10-21)16-27(7)17-24(4,11-21)15-

InchiKey: SOQGBGSEJYZNPS-UHFFFAOYSA-N

Formula: C8H24O12Si8

SMILES: C[Si]12O[Si]3(C)O[Si]4(C)O[Si](C)(O1)O[Si]1(C)O[Si](C)(O2)O[Si](C)(O3)O[Si](C)(O4)O1

Mol. weight [g/mol]: 536.95

CAS: 17865-85-9

Physical Properties

Property code	Value	Unit	Source
log10ws	14.59		Crippen Method
logp	0.803		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=C17865859&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/20-642-6/Pentacyclo-9-5-1-1-3-9-1-5-15-1-7-13-octasiloxane-octamethyl.pdf>

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